Price list

(2016-09-01)

The prices are shown in **USD, exclusive VAT, EXW Saint-Petersburg Russia** (Incoterms® 2010)

Directory

	Functional designation	Page number
	Standalone devices	
1	Multistandard broadcast master control switchers	Page 3
2	Multistandard video-audio processors (*broadcast 6x1 switchers/mixers with logo-insertion and scrolling text capabilities*)	Page 6,7
3	Meteo and temperature sensors	Page 8
4	GPS-driven time sources, GPS antenna kits	Page 8
5	LTC/VITC generators and overlayers	Page 8
6	3G/HD/SD synch-generators with video/audio test signals capability	Page 8
7	Synch-signals changeovers	Page 9
8	Chromakey	Page 9
9	Broadcast "smart" analog video/audio changeovers	Page 9,10
10	Cable equalisers in mini-cases	Page 18
11	3G/HD/SD SDI/ASI/analog video, AES/analog audio routers. Remote consoles. Software packages	Page 11~16
12	Analog stereo audio level analyser-logger with monitoring facility	Page 16
13	Relay bypass modules and switchers	Page 17
14	Emergency public announcement systems	Page 17
15	2x1 electronic switchers with bypass capability	Page 17
16	Interface converters and GPI adapters	Page 18
	"Crab" modular system	
1	Distribution amplifiers for video- and audio-signals (stereo, mono)	Page 19
2	HD/SD/SDI/ASI/analog video, AES/analog audio changeovers	Page 20
3	Racks for "Crab" modular system	Page 20
	"PROBOX" compact modules	
1	3G/HD/SD SDI/DVB-ASI single-fiber and multi-fiber optical converters with Ethernet support	Page 21
2	3G/HD/SD SDI/DVB-ASI single-channel optical converters with Ethernet support	Page 25
3	3G/HD/SD SDI/DVB-ASI distribution amplifiers	Page 25
	"PROFLINK" modular system	
1	"PROFLINK" racks	Page 26
2	Base modules of 3G/HD/SD SDI/DVB-ASI optical converters	Page 26
3	Base modules of 3G/HD/SD SDI/DVB-ASI changeovers	Page 26
4	SFP modules recommended for "PROFLINK" family	Page 26
5	Optical multiplexers/demultiplexers for "PROFLINK" family	Page 28
	"PROFLEX" modular system	
1	Multistandard decoders /encoders /transcoders /ADC /DAC /synchronizers /noise reducers	Page 29
2	PAL/SECAM->SECAM/PAL transcoders	Page 29
3	SDI->PAL/SECAM encoder with monitoring capability	Page 30
4	MPEG4 (H.264/AVC) encoders, MPEG2->MPEG4 transcoders	Page 29
5	Video ADC and DAC	Page 30
6	VITS and test patterns generators and inserters	Page 33
7	WST teletext/subtitles inserters	Page 33
8	SD SDI, SECAM synchronizers. Noise reducers. HD/SD SDIembedded, PAL/SECAM synchronizers with cross-conversion capability	Page 30
9	Aspect ratio 3G/HD/SD SDI cross-converters	Page 31
10	Synch generators	Page 31
11	3G/SDI/ASI/HDSDI/Telecom distribution amplifiers	Page 32

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru web: http://www.profitt.ru

12	**Analog video and audio distribution amplifiers**	**Page 32**
13	**Changeovers: SD/HD SDI/ASI, video, analog/AES/EBU audio**	**Page 33**
14	**HD/SD SDI electronic 2x1 switchers with syncroniser and changeover capability**	**Page 33**
15	**HD/SD SDI emergency public announcement systems**	**Page 33**
16	**A/B SDI and audio switchers**	**Page 34**
17	**3G/HS/SD SDI/PAL/SECAM multi-standard logo generators, inserters, titlers**	**Page 34**
18	**HD/SD SDI keyers**	**Page 34**
19	**HD/SD SDI/analog automatic loudness controllers (ALC)**	**Page 34**
20	**Audio ADC, DAC, with delay line capability**	**Page 35**
21	**AES/EBU audio distribution amplifiers**	**Page 36**
22	**Audio level bargraph OSD**	**Page 33**
23	**HD/SD SDI audio embedders**	**Page 37**
24	**HD/SD SDI audio deembedders**	**Page 37**
25	**SDH (STM1) compliant DVB-ASI transport stream optimising multiplexer**	**Page 38**
26	**Optical interfaces (***video/audio/data/DVB-ASI/Ethernet/E1/Telecom transmitters, receivers, transceivers***):**	**Page 39**
•	**3G/HD/SD SDI, DVB-ASI, Telecom, single channel optical transmitters and receivers**	**Page 39**
•	**HD/SD SDI, analog/AES audio, unidirectional RS-232 data single channel optical transmitters and receivers with HDMI monitor output**	**Page 39**
•	**HD/SD SDI single channel optical transmitters and receivers with standard conversion capability**	**Page 40**
•	**SD SDI/DVB-ASI single channel optical transmitters and receivers**	**Page 40**
•	**electrical multiplexing (TDM) SDI/DVB-ASI multichannel optical transmitters and receivers**	**Page 40**
•	**SD SDI/PAL/SECAM video, analog/AES audio, unidirectional RS-232/RS-422/GPI data single channel optical transmitters and receivers**	**Page 40**
•	**SD SDI single channel optical receivers with frame synchroniser and audio deembedder**	**Page 41**
•	**Analog/AES audio, unidirectional RS-232/RS-422/GPI data single channel optical transmitters and receivers**	**Page 42**
•	**Optical transponders - regenerators and wavelength converters**	**Page 43**
•	**Audio and multichannel RS-232/RS-422/GPIO data optical transceivers**	**Page 43**
•	**ETHERNET optical transceivers**	**Page 44**
•	**ETHERNET optical transceivers/switches**	**Page 44**
•	**Multichannel E1 optical transceivers**	**Page 45**
•	**Optical changeovers**	**Page 45**
27	**Built-in CPU modules for racks**	**Page 47**
28	**“PROFLEX” racks and power supply units**	
29	**WDM, CWDM optical multiplexers/demultiplexers, splitters and summators, LC-type optical attenuators, patch cords**	**Page 46**
	“PROFNEXT” modular system	
1	**“PROFNEXT” racks and power supply units**	**Page 48**
2	**3G/HD/SD SDI/HDMI synchronisers with embedded audio support**	**Page 48**
3	**SDI ↔ HDMI converters**	**Page 48**
4	**3G/HD/SD SDI/HDMI audio embedders/deembedders (analog and AES/EBU)**	**Page 48**
5	**6G/3G/HD/SD SDI/DVB-ASI distribution amplifiers**	**Page 48**
6	**3G/HD/SD SDI/HDMI single-channel optical transmitters and receivers with audio embedders and optional synchronisers**	**Page 48**
•	***Optical reception/transmission mobile rigs***	**Page 50**
•	**1U audio XLR patch-panels for “PROFITT”s equipment**	**Please, refer to Anex#1**

STANDALONE DEVICES

#	Description	Designation code	Price
	PDMX-2106 series HD SDI broadcast master control switchers		
	Six HD/SD SDI inputs, two of which may be used for DSK. Up to 8 channels of embedded audio support in each source. Two auxiliary audio inputs (analog stereo and AES/EBU). AUX bus. Program output: HD/SD SDI/PAL/SECAM; audio – analog stereo. Preview output: HDMI multiscreen. "Picture in picture" capability. Built-in logo and station break video/audio generator. Frame synchronisers on all inputs. Two down-converters (HD to SD). External reference or autonomous synchronization. TELETEXT pass-through. Audio channel remapper. RSS support for rolling news, NTP support for time of day OSD, Ethernet connectivity to PMM-5010 meteo-station for temperature/humidity OSD. Twin mains input. Redundant PSU on demand. **Recommended configurations:** **PDMX-2106 – 1U system unit (PDMX-2106F) with the PDMX-2106P remote console featuring the touch-screen display, full set of controls (Preview, Program, AUX, LOGO, DSK, PiP, audio). All adjustments are available locally and remotely from a PC. Headphones connector for audio monitoring.** **PDMX-2106SM - 1U system unit (PDMX-2106F) with the 1U remote panel PFRP-4106. PRFP-4106 features minimalistic set of controls (source selection buttons, TRANSITION, DSL and three logotype buttons). All adjustments are available from a PC.** **Software package for loading up the logo images and remote configuration.** **Intended mode of operation – in a small TV studio for local commercials insertion into a federal program stream.**		
1.	**HD SDI broadcast master control**	**PDMX-2106**	**6900,0**
2.	**HD SDI broadcast master control**	**PDMX-2106SM**	**5500,0**
	Optionals		
	redundant PSU (*for system unit and remote console***)**	**MX0101N**	**200,0**
	remote switcher panel	**PFRP-4106**	**550,0**
	software package for logos and remote configuration	**RC-MX**	**400,0**
	audio patch panel (*DB-26 to XLR, eight XLR connectors, with 1meter cable***)**	**PPM-6F2M**	**140,0**
	PDMX-1016TE series 10-bits digital multistandard broadcast master control switchers		
	Up to sixteen video (SDI, YUV, PAL/SECAM/YC) and stereo audio inputs. SDI, PAL/SECAM video, stereo or mono audio outputs. Five slots to fit any of the three types of video input modules. Two DSK modules (SDI and/or YUV, in any combination). SDI deembedding to an audio output or to use as an audio input. Audio embedding into an output SDI program. Two independent layers with preview (logo and texts). Each layer may have up to two graphic logos and up to four texts. Texts may be automatically updated from such sources as PTC-095 (ambient temperature), PMM-4095 (meteo info), PTT-4096 (GPS-driven time/date) over RS-485 databus. Four types of video transitions: CUT, MIX, FADE TO BLACK, WIPE with smoothed edge. AUX auxiliary line, built-in jingle storage, two OVER audio inputs. A built-in PAL black burst generator, up to three VTR controllable over RS-422/RS-232. Cable and patch cord panel kit for audio inputs.		
1.	Master control main unit *(without front-end and DSK modules)*	**PDMX-1016TE**	10500,0
•	Front-end modules (up to 5 in any combination) with the frame synchronizer on each input:		
	♦ SDI (4 inputs) with synchronizer on each input and audio deembedder (DB-15=>XLR cable kit)	**PMSD-1182**	2052,0
	♦ SDI (4 inputs) with synchronizer on each input	**PMSD-1181**	1152,0
	♦ YUV/PAL/SECAM/YC with synchronizer on each input (user-configurable as either of): • YUV - 2 inputs;PAL/SECAM - 4 inputs; • YUV - 1 input and PAL/SECAM - 3 inputs; • YC - 2 inputs and PAL/SECAM - 2 inputs	**PMAD-1160**	1152,0
	Up to two DSK modules (in any combination):		
	♦ SDI DSK module with H-synchronizer	**MS-394**	640,0
	♦ YUV DSK module with H-synchronizer	**MS-393**	400,0
2.	hardware upgrade kits for older switcher versions (to provide SDI audio deembedding) (replaces PMSD-1181 rear panel)*:*		
	♦ 4-channel SDI deembedder *[with DB15=>XLR cable (8 pcs.)]*	**MBE-1208**	1000,0
3.	RS-232=>RS-485 interface converter	**PIC-094MX**	120,0
	PDMX-2106 series HD SDI broadcast master control switchers		
	Six HD/SD SDI inputs, two of which may be used as DSK. Eight channels of SDIembedded audio for each input source. Two auxiliary stereo inputs – analog or AES/EBU. AUX bus. Video output (PGM): HD/SD SDI/PAL/SECAM, audio output: analog stereo. HDMI output for preview – with multiscreen capability. Picture-in-picture capability. Built-in generator for video/audio station break signal and two logos. Frame synchronisers on all inputs. Built-in reference generator. All inputs synched to REF. WST Teletext and subtitle pass-through. **Ethernet connectivity to PMM-5010 meteo-station and PTT-4096 clock.** **Main and redundant PSU with separate 220VAC mains cords.** **1U system module and desktop control console. Touch-screen for all local controls and management. Audio level meters.** **Well suited for local commercials insertion into an external program feed.**		
1.	***HD SDI broadcast master control switcher***	**PDMX-2106**	8900,0
	Options for PDMX-2106		
	Redundant power supply unit (*for system module and control console*)	**MX0101N**	200,0
	MSWindows software package for management		400,0
	audio cross panel *(DB-26 => XLR (8 connectors) with 1m cable)*	**PPM-6F2M**	140,0

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

#	Description	Designation code	Price
	PDMX-2006 series multistandard digital 6-input VIDEO/AUDIO switchers		
	Up to six video (up to three SDI, PAL/SECAM, YUV, YC) and stereo audio inputs. Optional SDI DSK input. SDI, PAL/SECAM, YC, YUV, stereo/mono audio program outputs. SDI audio embedding and deembedding, SDIembedded as an audio source. Optional noise reduction module. PAL and audio PREVIEW outputs. Transitions: X-Mix, V-Mix with a presettable rate, CUT. VBI data restoration mode. Frame freese mode. Dry-reed relay bypass for one video and one audio channel. The device consists of a system module and a control console. 2-channel audio level meter, master volume and headphone jack on the control console. Video parameters controlable from system module's frontal panel. Remote controls from a PC. Built-in logo (static and animated), scrolling text and GPS-driven time/date generator. 4 TV frames storage. Nonvolatile memory for operational settings. Automatic external data update via RS-485 (PTT-4096 GPS time source, PTC-095 ambient temperature, PMM-4095 meteo information source). Up to two separate logos (graphic and text) and a scrolling text simultaneously.		
1.	video-audio switcher *Video inputs (user-configurable, either of):* • six composite PAL/SECAM, *or* three composite PAL/SECAM and three SDI, *or* two component YUV, two composite PAL/SECAM and one SDI, *or* one component YUV, three composite PAL/SECAM and two SDI, *or* two S-VHS, three composite PAL/SECAM and one SDI, *or* two S-VHS, two composite PAL/SECAM and two SDI *DSK inputs (optional):* SDI Fill and Key *Video outputs (user-configurable, either of):* • three PAL/SECAM and two SDI outputs *or* one YPrPb and two SDI outputs *or* one YC, one PAL and two SDIembedded outputs • one PAL Preview output. *Audio inputs:* • six balanced stereo inputs *Audio outputs:* • program (PRG) balanced stereo output • preset (PST) balanced stereo output • mono output	**PDMX-2006**	3600,0
	Additionally for PDMX-2006 series		
	•audio cross panel *(DB-44, DB-15 => XLR (16 connectors) with 1m cable)*	**PPM-16M**	196,0
	•software package for remote control from MS-Windows		200,0
	•TALLY adapter	**PIC-4051T**	210,0
	•GPI control console with RS-232 interface *(GPI commands, clamp and RJ-45connectors)*	**PGPI-4054-x**	
	•RS-485/RS-232 remote control console	**PFRP-3026M**	380,0
	•RS-485/RS-232,GPI remote control console	**PPRP-4055**	380,0
	•RS-485/RS-232,GPI remote control console for a main and a stand-by video-audio processors	**PPRP-4056**	380,0
	•indication panel *(up to two video-audio processors supported)*	**PPIV-4010**	150,0
	•adapter *(DUB15pin to clamp connectors)*	**PBS-15**	22,0
	•adapter *(DUB44pin to clamp connectors)*	**PBS-44**	25,0
	•SDI DSK module with frame synchroniser *(option)*	**K**	640,0
	•noise reduction module *(option)*	**NR**	600,0
	•RJ45=>DB9 adapter with RJ45=>RJ45 cable *(for RS-232 interface)*		6,0
	•Y-connector RJ45=>2 RJ45 with RJ45<=>RJ45 cable *(for RS-485 network)*		6,0

STANDALONE DEVICES

#	Description	Designation code	Price
	PDMX-2007 series SDI video-audio switcher		
	Up to six SDI video and stereo audio inputs. Optional SDI DSK input. SDI, PAL/SECAM, YC, YUV, stereo/mono audio program outputs. SDI audio embedding and deembedding, SDIembedded as an audio source. Optional noise reduction module. PAL and audio PREVIEW outputs. Transitions: X-Mix, V-Mix with a presettable rate, CUT. VBI data restoration mode. Frame freese mode. Dry-reed relay bypass for one video and one audio channel. The device consists of a system module and a control console. 2-channel audio level meter, master volume and headphone jack on the control console. Video parameters controlable from system module's frontal panel. Remote controls from a PC. Built-in logo (static and animated), scrolling text and GPS-driven time/date generator. 4 TV frames storage. Nonvolatile memory for operational settings. Automatic external data update via RS-485 (PTT-4096 GPS time source, PTC-095 ambient temperature, PMM-4095 meteo information source). Up to two separate logos (graphic and text) and a scrolling text simultaneously. Audio level meter bargraph OSD on the PAL PREVIEW output.		
1.	video-audio switcher *Video inputs:* •six SDI inputs *DSK inputs (optional):* SDI Fill and Key *Video outputs (user-configurable, either of):* •three PAL/SECAM and two SDI outputs *or* one YPrPb and two SDI outputs *or* one YC, one PAL and two SDIembedded outputs •one PAL Preview output. *Audio inputs:* •six balanced stereo inputs *Audio outputs:* •program (PRG) balanced stereo output •preset (PST) balanced stereo output •mono output	**PDMX-2007**	3530,0
	Additionally for PDMX-2007 series		
	•audio cross panel *(DB-44, DB-15 => XLR (16 connectors) with 1m cable)*	**PPM-16M**	196,0
	•software package for remote control from MS-Windows		200,0
	•TALLY adapter	**PIC-4051T**	210,0
	•GPI control console with RS-232 interface *(14 GPI commands, clamp and RJ-45connectors)*	**PFRP-3026M**	380,0
	•RS-485/RS-232,GPI remote control console	**PPRP-4055**	380,0
	•RS-485/RS-232,GPI remote control console for a main and a stand-by video-audio processors	**PPRP-4056**	380,0
	•indication panel *(up to two video-audio processors supported)*	**PPIV-4010**	150,0
	•adapter *(DUB15pin to clamp connectors)*	**PBS-15**	22,0
	•adapter *(DUB44pin to clamp connectors)*	**PBS-44**	25,0
	•SDI DSK module with frame synchroniser *(option)*	**K**	640,0
	•RJ45=>DB9 adapter with RJ45=>RJ45 cable *(for RS-232 interface)*		6,0
	•Y-connector RJ45=>2 RJ45 with RJ45<=>RJ45 cable *(for RS-485 network)*		6,0

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

#	Description	Designation code	Price
	PVDP-1006 series multistandard video-audio processors (broadcast 6x1 switchers/mixers)		
	10-bits video ADC/DAC. Up to six video (up to three SDI, PAL/SECAM, YUV, YC) and stereo audio inputs. Optional SDI DSK input. SDI, PAL/SECAM, YC, YUV, stereo/mono audio program outputs. SDI audio embedding and deembedding, SDIembedded as an audio source. Optional noise reduction module. PAL and audio PREVIEW outputs. Glitch-free transitions: X-Mix, V-Mix with a presettable rate, CUT. VBI data (from REF input) restoration mode. Frame freese mode. Dry-reed relay bypass for one video (composite) and one audio channel. The device consists of a system module and a control console. 2-channel audio level meter, master volume and headphone jack on the control console. Video and audio parameters controlable from system module's frontal panel. Remote controls from a PC. Built-in logo (static and animated), scrolling text and GPS-driven time/date generator. 4 TV frames storage. Nonvolatile memory for operational settings. Automatic external data update via RS-485 (PTT-4096 GPS time source, PTC-095 ambient temperature, PMM-4095 meteo information source). Up to two separate logos (graphic and text) and a scrolling text simultaneously. Built-in VITS generator. Three-layer mixing: graphic logos, text logos and scrolling texts.		
1.	video-audio processor *Video inputs (user-configurable):* •six composite PAL/SECAM inputs, *or* three composite PAL/SECAM and three SDI inputs, *or* two component YUV, two composite PAL/SECAM and one SDI, *or* one component YUV, three composite PAL/SECAM and two SDI, *or* two S-VHS, three composite PAL/SECAM and one SDI, *or* two S-VHS, two composite PAL/SECAM and two SDI inputs *DSK inputs (optional):* SDI Fill and Key *Video outputs (user-configurable):* •three composite PAL/SECAM and two SDI outputs, *or* one component YUV and two SDI outputs, *or* one S-VHS, one composite PAL and two SDI outputs; •PAL Preview output; •SDIembedded audio not supported.	**PVDP-1006**	1950,0
	Audio inputs: •six balanced stereo inputs; •SDIembedded audio as an input source. *Audio outputs:* •balanced stereo output, •Preview balanced stereo output, •mono output, •Audio embedding into the output SDI.	**PVDP-1006AA**	2460,0
	Additionally for PVDP-1006 series		
	•logo generator *(option, with SW package)*	**L**	450,0
	•audio cross panel (DB-44, DB-15 => XLR (16 connectors) with 1m cable	**PPM-16M**	196,0
	•software package for remote control from MS-Windows		200,0
	•TALLY adapter	**PIC-4051T**	210,0
	•GPI control console with RS-232 interface *(GPI commands, clamp and RJ-45 connectors)*	**PGPI-4054-x**	
	•RS-485/RS-232 remote control console	**PFRP-3026M**	380,0
	•RS-485/RS-232,GPI remote control console	**PPRP-4055**	380,0
	•RS-485/RS-232,GPI remote control console for a main and a stand-by video-audio processors	**PPRP-4056**	380,0
	•indication panel *(up to two devices)*	**PPIV-4010**	150,0
	•adapter (DUB15pin to clamp connectors)	**PBS-15**	22,0
	•adapter (DUB44pin to clamp connectors)	**PBS-44**	25,0
	•SDI DSK module with frame synchroniser *(option)*	**K**	640,0
	•noise reduction module *(option)*	**NR**	600,0
	•RJ45=>DB9 adapter with RJ45=>RJ45 cable *(for RS-232 interface)*		6,0
	•Y-connector RJ45=>2 RJ45 with RJ45<=>RJ45 cable *(for RS-485 network)*		6,0

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

STANDALONE DEVICES

#	Description	Designation code	Price
	PVDP-1007 series SDI video-audio processors (broadcast 6x1 switchers/mixers)		
	Up to six SDI video and stereo audio inputs. Optional SDI DSK input. SDI, PAL/SECAM, S-VHS, YUV, stereo/mono audio program outputs. SDI audio embedding and deembedding, SDIembedded as an audio source. Optional noise reduction module. PAL and audio PREVIEW outputs. Glitch-free transitions: X-Mix, V-Mix with a presettable rate, CUT. VBI data (from REF input) restoration mode. Frame freese mode. Dry-reed relay bypass for one video (composite) and one audio channel. The device consists of a system module and a control console. 2-channel audio level meter, master volume and headphone jack on the control console. Video and audio parameters controlable from system module's frontal panel. Remote controls from a PC. Built-in logo (static and animated), scrolling text and GPS-driven time/date generator. 4 TV frames storage. Nonvolatile memory for operational settings. Automatic external data update via RS-485 (PTT-4096 GPS time source, PTC-095 ambient temperature, PMM-4095 meteo information source). Up to two separate logos (graphic and text) and a scrolling text simultaneously. Built-in VITS generator. Three-layer mixing: graphic logos, text logos and scrolling texts.		
1.	*Audio inputs:* x balanced stereo inputs; SDIembedded audio as an input source. *Audio outputs:* balanced stereo output, Preview balanced stereo output, mono output, audio embedding into the output SDI.	**PVDP-1007AA**	2450,0
	Additionally for PVDP-1007 series		
	•logo generator *(option, with SW package)*	**L**	450,0
	•audio cross panel (DB-44, DB-15 => XLR (16 connectors) with 1m cable	**PPM-16M**	196,0
	•software package for remote control from MS-Windows		200,0
	•TALLY adapter	**PIC-4051T**	210,0
	•GPI control console with RS-232 interface *(GPI commands, clamp and RJ-45 connectors)*	**PGPI-4054-x**	
	•RS-485/RS-232 remote control console	**PFRP-3026M**	380,0
	•RS-485/RS-232,GPI remote control console	**PPRP-4055**	380,0
	•RS-485/RS-232,GPI remote control console for a main and a stand-by video-audio processors	**PPRP-4056**	380,0
	•indication panel *(up to two devices)*	**PPIV-4010**	150,0
	•adapter (DUB15pin to clamp connectors)	**PBS-15**	22,0
	•adapter (DUB44pin to clamp connectors)	**PBS-44**	25,0
	•SDI DSK module with frame synchroniser *(option)*	**K**	640,0
	•RJ45=>DB9 adapter with RJ45=>RJ45 cable *(for RS-232 interface)*		6,0
	•Y-connector RJ45=>2 RJ45 with RJ45<=>RJ45 cable *(for RS-485 network)*		6,0

A/B SDI and audio switchers
Integration with SDI and 2x, 8x, 16x, 32x, 64x series audio routers to provide the glitch-free switching.
Please, refer to the «*“PROFLEX” modular system, PCSW-3339*» chapter

“PROFITT” Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

#	Description	Designation code	Price
	Meteo and temperature sensors		
	PTC-095 temperature sensor with RS-485 interface. Temterature range: -55°C~+85°C. Up to 10 meters of interface cable. **PMM-4095 meteostation: built-in atmospheric pressure sensor, external (up to 10 meters cable) temperature and humidity sensors. RS-485, RS-232 and (optional) Ethernet interfaces. Display on the frontal panel. Optional user-controlled data correction and IBM PC connectivity.** **PMM-5010 meteostation: built-in atmospheric pressure sensor, external temperature, humidity and Wind Speed/Direction sensors. Temterature range: -40°C~+100°C. Up to 30 meters of interface cable. WSD outputs: analog/freq/RS-232/RS-485. Display on the frontal panel, web-interface and TCP/IP connectivity with PROFITT's logo-generators and PDMX-2106 master switcher. Power over Ethernet (PoE).** **PTC-095 temperature sensor and PMM-4095(E)/PMM-5010 meteostations easily interconnect with the PDMX-2006 and PDMX-2007 video-audio mixers, with video-audio processors PVDP-1006 and PVDP-1007, with PDMX-1016TE master control and all PROFLEX family logogenerators. Maximum cable run between the data source and consumer is up to 200 meters.**		
1.	temterature sensor, RS-485 interface *(10 meter cable)*	**PTC-095**	260,0
2.	meteostation *(RS-232/RS-485 interfaces)*	**PMM-4095**	430,0
3.	meteostation *(RS-232/RS-485/Ethernet interfaces)*	**PMM-4095E**	460,0
4.	Meteostation *(Ethernet interface)*	**PMM-5010**	570,0
5.	Wind direction/speed sensor (*for PMM-5010*)	**WSD**	570,0
6.	1U rack mounting ramp *(for PMM-4095)*	**PM-021**	20,0
	GPS-driven time sources, LTC/VITC generators		
	GPS signal reception, processing and distribution of time/date information as: LTC (four XLR connectors), VITC/PAL–blackburst (two BNC outputs), VITC/SDI–blackfield (DVITC and LTC/VITC as an auxiliary data, two BNC outputs). RS485/Ethernet connectivity supported. Stratum 1 NTP server. Presettable timezone. User-accessible GPS status information. Time/data and temperature (if PTC-095 or PMM-4095 are fitted in) information display on the frontal panel. Battery-powered timekeeping. Up to $1 \cdot 10^{-6}$ accuracy of the free-run timekeeping. Time-jump-free adjustments after long periods of free-runs (up to 10 days). Three operation modes: GPS-driven, video REF (PAL/SECAM) driven, free-run.		
1.	GPS-driven time source and indication panel with LTC/VITC /Ethernet/ RS-232/RS-485 interfaces *(magnetic antenna on a 10 meter cable)*	**PTT-4096**	1300,0
2.	GPS/GLONASS antenna kit *(w/o amplifier, with 15~40 meters cable, in 5-meter increments)*	**PAN-G-15 (20,25,30,35,40)**	690,0
3.	GPS/GLONASS antenna kit *(wit amplifier and 40~80 meters cable, in 10-meter increments)*	**PAN-GAM-40(50)**	1160,0
		PAN-GAM-60 (70,80)	1190,0
	Timecode generators LTC, RS-422		
	Free-run or external LTC/REF-video driven mode. Up to $1 \cdot 10^{-6}$ accuracy in free-run mode. Two balanced, four BNC LTC outputs. Sony-compatible RS-422 timecode output format, eight outputs. NMEA-compatible RS-232 input for GPS receiver. Built-in NTP server. Data display on the frontal panel.		
1.	timecode generator *(LTC, RS422)*	**PRPC-4099**	898,0
	Timecode overlayers		
	Timecode inserters provide an OSD overlay for PAL/SECAM video signal. Free-run or extrnally-driven modes: LTC or VITC in a reference video signal. Remote programmable (via Ethernet) OSD position, symbol colors.		
1.	Timecode overlayer	**PITC-4100**	490,0
	SD/HD/3G synchrogenerators with video/audio test signals capability		
	Referenced and free-run (up to $1 \cdot 10^{-10}$ accuracy) modes. Antenna input for the GPS signal as an external reference. External video as a reference. The BB PAL/SECAM and HD TRI-LEVEL simultaneous generation capability. Analog (PAL/SECAM) and digital (SD/HD SDI) video test signals generation capability, electrical and optical outputs. Analog and digital (AES) audio test signals generation capability with optional SD/HD SDI embedding. Generation of the audio synchrosignals genlocked to video. WorldClock sync signal generation for audio. Optional LTC output. GPS-genlocked 10 MHz and one-second pulse outputs. Lip-sync test signals for subjective evaluation and measurements for analog, digital, SD/HD and mixed environments. Optional stand-by PSU.		
1.	3G/HD/SD reference synchrogenerators with video/audio test signals capability	**PSG-2070**	5400,0
2.	GPS/GLONASS antenna kit *(w/o amplifier, with 15~40 meters cable, in 5-meter increments)*	**PAN-G-15 (20,25,30,35,40)**	690,0
3.	GPS/GLONASS antenna kit *(wit amplifier and 40~80 meters cable, in 10-meter increments)*	**PAN-GAM-40(50)**	1160,0
		PAN-GAM-60 (70,80)	1190,0
4.	Redundant PSU	**MX88**	250,0
	Additionally for PSG-2070 series		
	• Single-channel optical transmitter SFP module (*DFB, 1310nm, 0~+3dBm TX power*)	**PRFT-1330T-35D**	195,0
	• Single-channel optical transmitter SFP module (*DFB, 1550nm, 0~+3dBm TX power*)	**PRFT-1530T-50D**	350,0
	• Single-channel CWDM optical transmitter SFP module (*DFB, 1270~1610nm, 0~+3dBm TX power*)	**PRFT-1630T-D##**	420,0

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

STANDALONE DEVICES

#	Description	Designation code	Price
	Automatic changeovers for sync-pulse and test signals		
	Intended for monitoring of the output signals from the PSG-2070 master sync generator. **Two inputs for a pair of PSG-2070. In case of a failure in one of PSG-2070 – the automatic change over to the valid signal occurs. The latching relay facilitates the output path in a power-down condition.** **Features:** **Switching of analog (TRI-LEVEL or BB), digital video (3G/HD/SD SDI), analog/AES balanced/unbalanced audio, LTC, 1PPS, 10MHz, WC (48kHz)** **Automatic transfer of operation mode parameters between the connected PSG-2070 (from the main to the stand-by one)** **User-selectable list of errors and parameters for monitoring** **Distribution amplifier for output video (BB, TRI-LEVEL, 3G/HD/SD SDI)** **Visual and audio alarm signals for PSG-2070 fault conditions** **Automatic or manual changeover switching** **Ethernet connectivity for remote management**		
1.	Automatic changeovers for sync-pulse and test signals	**PGC-4270**	2300,0
2.	Redundant power supply unit	**MX0101N**	200,0
	Chromakey		
	CHROMAkey and LUMAkey modes rear-projection unit. Mix and additive keying modes. Backgroung color: any. Automated scene composition: coursor/pointer driven backgroung color selection, silhuette signal management. Local (touch-screen) and remote (control panel and PC) control options. Auxiliary α-channel input expands unit's compositional capabilities.		
1.	SD SDI chromakey (*SD SDI inputs and outputs, a-channel input*)	**PDCC-1110**	**4200,0**
	Broadcast "smart" audiochangeover		
	PRAA-4065ME broadcast audio changeover protects an analog balanced stereo audio transmission lines with up to 600ms audio delay skew. The following set of parameters are analysed: **a 2~12dB audio level drop on one input relative to the other (the level difference is presettable in 1dB increments). A switchback occurs when the level difference falls below 2dB.** **an audio level drops below a preset "silence threshold" on one input while the other has an above-the-threshold audio level. The "silence threshold" is presettable in 0 to minus 60dB range with 1dB increments.** **The forward delay (an interval between a moment a fault was detected on primary input and an actual change over to the secondary input) is user-presettable:** **for video signal faults the delay is 0~99.9sec with 0.1sec increments** **for audio signal faults the delay is 0.5~99.5sec with 0.5sec increments** **The recovery delay is user-presettable in 1~999sec range with 1sec increments. An immediate recovery switching to the primary input takes place if a fault occurs on the secondary input. The monitor output provides an audio signal from an input currently selected as a back-up. PRAA-4065 can be controlled locally from it's front panel, remotely from a separate PRR-4065P console, via Ethernet from a PC (PRAA-4065ME only), by GPI commands. XLR audio connectors. Audio headroom +27dB.**		
1.	broadcast "smart" audiochangeover	**PRAA-4065ME**	990,0
2.	changeover remote control panel (phantom power supply)	**PRR-4065P**	180,0
3.	software package for changeover remote controls and management		200,0
4.	Redundant power supply unit		200,0

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

#	Description	Designation code	Price
	Broadcast "smart" analog video/audio changeover		
	PRVA-4063E protects a complete TV channel providing composite video and analog audio support. The following set of parameters is analysed: **VIDEO (sources may be up to 15 TV frames out of phase to each other):** **a loss or low level (150mV or less) of the synchro pulses on one input while the other has nominal signal** **a "frosen"/"pixellated" video on one input while the other has an undistorted video** **a 2~6dB video level drop on one input relative to the other, the level difference is presettable in 0.5dB increments** **AUDIO (sources may be up to 600ms apart):** **a 2~12dB audio level drop on one input relative to the other (the level difference is presettable in 1dB increments)** **an audio level drops below a preset "silence threshold" (is presettable in 0 to minus 60dB range with 1dB increments) on one input while the other has an above-the-threshold audio level** **The user-presettable forward delay:** **for video signal faults the delay is 0~99.9sec with 0.1sec increments** **for audio signal faults the delay is 0.5~99.5sec with 0.5sec increments** **The user-presettable recovery delay in 1~999sec range with 1sec increments. The monitor outputs provide video and audio signals from inputs currently selected as back-up. Can be controlled locally from a front panel, remotely from a separate PRR-4063P console, via Ethernet from a PC (PRVA-4063E only), by GPI commands. High CMRR and overvoltage protection on video input, balanced XLR audio inputs/outputs with +15dB headroom.** **Optional redundant PSU with separate mains sockets.**		
1.	broadcast "smart" analog video/audio changeover	**PRVA-4063E**	1270,0
2.	changeover remote control panel (phantom power supply)	**PRR-4063P**	190,0
3.	Software package for changeover remote controls	**CONTROL_4063 (4065)**	200,0
4.	Redundant power supply unit		200,0
	Broadcast "smart"HD/SD SDI video/audio changeover		
	"Smart" changeovers protect a complete channel providing SD SDIembedded video, AES/EBU and analog audio support. The following set of parameters is analysed: • **VIDEO (sources may be up to 15 TV frames out of phase to each other):** ○ **SDI loss condition** ○**two or more EDH errors within a presettable time interval** ○ **a "frosen"/"pixellated" SDI-video on one input while the other has an undistorted video** ○ **a 2~6dB video level drop on one input relative to the other, the level difference is presettable in 0.5dB increments. A switchback occurs when the level difference falls below 1dB.** • **AUDIO (up to 600ms of audio delay skew):** ○ **a loss of an external AES/EBU signal or a preselectable SDIembedded group** ○ **a 2~12dB audio level drop on one input relative to the other (the level difference is presettable in 1dB increments)** **User-presettable forward delay:** • **for any video and digital audio signal fault the delay is 0~99.9sec with 0.1sec increments** • **for analog audio signal faults the delay is 0.5~99.5sec with 0.5sec increments** **User-presettable recovery delay in 1~999sec range with 1sec increments.** **A monitor output provides PAL video (PRSD-4068) or HDMI (PRSD-4069) with an OSD bargraph audio level indicators overlay. Controllable locally from a front panel, remotely from a separate PRR-4068P console, via Ethernet from a PC, by GPI commands. Balanced audio inputs/outputs (analog or AES/EBU). XLR audio connectors.** **PRSD-4069 supports SNMP, SMTP (for logging) and HTTP (for web interface).** **Optional redundant PSU with separate mains sockets.**		
1.	broadcast "smart" SDI video/audio changeover	**PRSD-4068**	1750,0
2.	broadcast "smart" SDI video/audio changeover with analog audio inputs	**PRSD-4068A**	1950,0
3.	broadcast "smart" SDI video/audio changeover with AES/EBU audio inputs	**PRSD-4068E**	1950,0
4.	software package for changeover remote controls and management	**CONTROL_4068 (4067)**	200,0
5.	changeover remote control panel	**PRR-4068P**	280,0
6.	broadcast "smart" HD/SD SDI video/audio changeover	**PRSD-4069**	2400,0
7.	Redundant power supply unit		200,0
	Extras for PRSD-4069		
1.	SFP modules:		
	Single channel optical transmitter (*DFB laser, 1310nm, 0~+3dBm optical power*)	**PRFT-1330T-35D**	195,0
	Single channel optical transmitter (*DFB laser, 1550nm, 0~+3dBm optical power*)	**PRFT-1530T-50D**	350,0
	Single channel CWDM optical transmitter (*DFB laser, 1270~1610nm, 0~+3dBm optical power*)	**PRFT-1630T-D##**	420,0

STANDALONE DEVICES

Routers: analog and SDI/DVB-ASI video, analog and AES/EBU audio							
User-selectable AC or DC coupled balanced inputs. Bandwidth (garanteed) for video signals – better than 70MHz, audio signals – better than 1,5MHz. Glitch-free switching of channels. Two program outputs (*x1 series only*). Dry-reed relay bypass: first input to first output (*x1 series only*). Capability of being controlled remotely from a network. "Star" (using a hub) or "Bus" network topology. GPI commands to control one particular output option.							
No. of inputs	**No. of outputs**	**Signal types**		**Designation code**	**Price**	**Rack height (U=44,5mm)**	**Notes**
		Video	**Audio**				
x1 series routers							
4	1	V		**PVS-0401V**	360,0	1U	**SDI router** – two SDI outputs *or* one SDI and one PAL output. User-configurable.
			AA	**PSS-0401AA**	400,0	1U	
		V	AA	**PVSS-0401VAA**	580,0	1U	
		HD/SD SDI/ASI		**PVS-0401HDSI**	780,0	1U	
		HD/SD SDI/ASI	AA	**PVSS-0401HDSIAA**	990,0	1U	
8	1	V		**PVS-0801V**	480,0	1U	
			AA	**PSS-0801AA**	500,0	1U	
		V	AA	**PVSS-0801VAA**	950,0	1U	
		HD/SD SDI/ASI		**PVS-0801HDSI**	1110,0	1U	
		HD/SD SDI/ASI	AA	**PVSS-0801HDSIAA**	1410,0	1U	
16	1	V		**PVS-1601V**	800,0	1U	
			AA	**PSS-1601AA**	820,0	1U	
		V	AA	**PVSS-1601VAA**	1320,0	1U	
		HD/SD SDI/ASI		**PVS-1601HDSI**	1620,0	1U	
		HD/SD SDI/ASI	AA	**PVSS-1601HDSIAA**	2120,0	1U	
32	1	V		**PVS-3201V**	1300,0	1U	
			A	**PSS-3201A**	970,0	1U	
			AA	**PSS-3201AA**	1640,0	1U	
		HD/SD SDI/ASI		**PVS-3201HDSI**	2600,0	1U	
64	1	V		**PVS-6401V**	2300,0	2U	
			A	**PSS-6401A**	1200,0	1U	
			AA	**PSS-6401AA**	2100,0	2U	
		SDI/ASI		**PVS-6401DSI**	4490,0	2U	
Consoles) and software packages for x1 series of routers***							
4	1	Remote console		**PRR-0401**	250,0	1U	
4	1	Local console		**PRL-0401**	120,0	1U	
8	1	Remote console		**PRR-0801**	312,0	1U	
8	1	Local console		**PRL-0801**	140,0	1U	
16	1	Remote console		**PRR-1601**	372,0	1U	
16	1	Remote console		**PRR-1601P*)**	520,0	1U	*) large (18x18mm) buttons
16	1	Local console		**PRL-1601**	294,0	1U	
32	1	Remote console		**PRR-3201**	522,0	1U	
32	1	Remote console		**PRR-3201P*)**	890,0	3U	
32	1	Local console		**PRL-3201**	372,0	1U	
64	1	Remote console		**PRR-6401**	620,0	2U	
64	1	Remote console		**PRR-6401P*)**	1298,0	3U	
1. universal X-Y remote console (one console with RS-485 interface)				**PRR-1000**	420,0	2U	
2. universal X-Y remote console (two consoles with RS-485 interfaces)				**PRR-1000-2**	700,0	2U	
3. Software package for MS-Windows					300,0		
4. redundant PSU					200,0		
******) To order a router with a local control panel, please add the "*F*" index (*for example:* PVSS-1601DSIAA-F)***							

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

STANDALONE DEVICES

No. of inputs	No. of outputs	Signal types		Designation code	Price	Rack height (U=44,5 mm)	Notes
		Video	Audio				
256x1 series routers							
256	1	HD/SD SDI/ASI	Emb	**PVS-25601**	19950,0	9U	HDMI monitor output with 8-ch audio level meter OSD
256	1	3G/HD/SD SDI/ASI	Emb	**PVS-26501-3G**	25930,0	9U	
128	2	HD/SD SDI/ASI	Emb	**PVS-12802**	11900,0	6U	
128	2	3G/HD/SD SDI/ASI	Emb	**PVS-12802-3G**	15470,0	6U	
64	4	HD/SD SDI/ASI	Emb	**PVS-06404**	7600,0	3U	
64	4	3G/HD/SD SDI/ASI	Emb	**PVS-06404-3G**	9880,0	3U	
32	8	HD/SD SDI/ASI	Emb	**PVS-03208**	5500,0	3U	
32	8	3G/HD/SD SDI/ASI	Emb	**PVS-03208-3G**	7150,0	3U	
Consoles*) and software packages for 256x1 series of routers***							
1. universal X-Y remote console (one console with RS-485 interface)				**PRR-1000**	420,0	2U	
2. universal X-Y remote console (two consoles with RS-485 interfaces)				**PRR-1000-2**	700,0	2U	
3. any x1/x2/8x/16x/32x series remote panel							
4. Software package for MS-Windows					300,0		
5. redundant power supply unit					350,0		
x2 series routers							
16	2	V		**PVS-1602V**	1550,0	3U	Any x2 series router may be expanded up to 64x2 capacity. Remote control: • from a PC via the RS-232 (requires the interface converter), • from a console via RS-485. To handle the 48- or 64-source stereo audio a pair of separate MONO routers controlled synchronously is required (*except the 16x2 and 32x2 series stereo routers which are available in a single 3U rack*)
			A	**PSS-1602A**	1430,0		
			AA	**PSS-1602AA**	2280,0		
		V	A	**PVSS-1602VA**	2384,0		
		V	AA	**PVSS-1602VAA**	2884,0		
		SDI		**PVS-1602D**	1950,0		
32	2	V		**PVS-3202V**	2320,0	3U	
			A	**PSS-3202A**	2120,0		
			AA	**PSS-3202AA**	3400,0		
		V	A	**PVSS-3202VA**	3552,0		
		SDI		**PVS-3202D**	3150,0		
48	2	V		**PVS-4802V**	3085,0	3U	
			A	**PSS-4802A**	2600,0		
		SDI		**PVS-4802D**	4450,0		
64	2	V		**PVS-6402V**	3850,0	3U	
			A	**PSS-6402A**	3300,0		
		SDI		**PVS-6402D**	5824,0		
Consoles and software packages for x2 series of routers							
1. universal X-Y remote console (one console with RS-485 interface)				**PRR-1000**	420,0	2U	*) large (18x18mm) buttons
2. universal X-Y remote console (two consoles with RS-485 interfaces)				**PRR-1000-2**	700,0	2U	
3. Remote console				**PRR-1602**	576,0	1U	
4. Remote console				**PRR-1602P*)**	890,0	3U	
5. Remote console				**PRR-3202**	684,0	2U	
6. Remote console				**PRR-3202P*)**	1298,0	3U	
7. x2 routers are compatible with series x1, 8x, 16x and 32x consoles							
8. Software package for MS-Windows (*RS-232 connectivity*)					300,0		
9. redundant PSU					200,0		

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

STANDALONE DEVICES

No. of inputs	No. of outputs	Signal types		Designation code	Price	Rack height (U=44,5 mm)	Notes
		Video	Audio				
8x series routers							
8	8	V		**PVS-0808V**	540,0	1U	Remote control: from a PC via the RS-232 (requires the interface converter), from a console via RS-485. The monitor output is provided. The SDI routers feature the SDI monitoring output.
			AA	**PSS-0808AA**	790,0	1U	
			EE	**PSS-0808EE**	890,0	1U	
		V	AA	**PVSS-0808VAA**	1120,0	1U	
		V	EE	**PVSS-0808VEE**	1220,0	1U	
		HD/SD SDI/ASI		**PVS-0808HDSI**	2990,0	1U	
		HD/SD SDI/ASI	AA	**PVSS-0808HDSIAA**	3570,0	1U	
		HD/SD SDI/ASI	EE	**PVSS-0808HDSIEE**	3670,0	1U	
8	4	V		**PVS-0804V**	500,0	1U	
			AA	**PSS-0804AA**	700,0	1U	
			EE	**PSS-0804EE**	800,0	1U	
		V	AA	**PVSS-0804VAA**	1020,0	1U	
		V	EE	**PVSS-0804VEE**	1120,0	1U	
		HD/SD SDI/ASI		**PVS-0804HDSI**	2790,0	1U	
		HD/SD SDI/ASI	AA	**PVSS-0804HDSIAA**	3217,0	1U	
		HD/SD SDI/ASI	EE	**PVSS-0804HDSIEE**	3317,0	1U	
4	4	V		**PVS-0404V**	460,0	1U	
			AA	**PSS-0404AA**	620,0	1U	
			EE	**PSS-0404EE**	670,0	1U	
		V	AA	**PVSS-0404VAA**	900,0	1U	
		V	EE	**PVSS-0404VEE**	950,0	1U	
		HD/SD SDI/ASI		**PVS-0404HDSI**	1761,0	1U	
		HD/SD SDI/ASI	AA	**PVSS-0404HDSIAA**	2201,0	1U	
		HD/SD SDI/ASI	EE	**PVSS-0404HDSIEE**	2250,0	1U	
Consoles) and software packages for x8 series of routers***							
8	8	Remote console		**PRR-0808**	384,0	1U	*) large (18x18mm) buttons **) controls the monitor output and selects an input for a given output
8	8	Local console		**PRL-0808**	288,0	1U	
8	1	Remote console		**PRR-0801**	312,0	1U	
8	1	Remote console		**PRR-0801P*)**	436,0	1U	
8	1	Remote console		**PRR-0801M**)**	384,0	1U	
8	2	Remote console		**PRR-0802**	384,0	1U	
8	4	Remote console		**PRR-0804**	372,0	1U	
8	4	Local console		**PRL-0804**	258,0	1U	
4	4	Remote console		**PRR-0404**	336,0	1U	
4	4	Local console		**PRL-0404**	240,0	1U	
4	1	Remote console		**PRR-0401**	250,0	1U	
4	1	Remote console		**PRR-0401M**)**	312,0	1U	
4	2	Remote console		**PRR-0402**	312,0	1U	
1. Software package for MS-Windows (RS-232 connectivity)					300,0		
2. redundant Power Supply Unit					200,0		
) ***To order a router with a local contrrol panel, please add the "F" index (for example: PVSS-0808HDSIAA-F)							

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

STANDALONE DEVICES

No. of inputs	No. of outputs	Signal types: Video	Signal types: Audio	Designation code	Price	Rack height (U=44,5 mm)	Notes
16x series routers							
16	16	V		**PVS-1616V**	1690,0	1U	Remote control: • from a PC via th RS-232 (require the interfac converter), • from a consol via RS-485. he monitor output provided. The SD routers feature the SD monitoring output
			A	**PSS-1616A**	1220,0	1U	
			AA	**PSS-1616AA**	1730,0	1U	
			EE	**PSS-1616EE**	1930,0	1U	
		HD/SD SDI/ASI		**PVS-1616HDSI**	4690,0	1U	
16	8	V		**PVS-1608V**	1560,0	1U	
		V	A	**PSS-1608A**	1050,0	1U	
			AA	**PSS-1608AA**	1590,0	1U	
			EE	**PSS-1608EE**	1790,0	1U	
		HD/SD SDI/ASI		**PVS-1608HDSI**	3580,0	1U	
Consoles) and software packages for x16 series of routers***							
16	16	Remote console		**PRR-1616**	576,0	1U	*) large (18x18mn buttons **) controls th monitor output an selects an input for given output
16	16	Remote console		**PRR-1616P***	890,0	3U	
16	16	Local console		**PRL-1616**	432,0	1U	
16	1	Remote console		**PRR-1601**	372,0	1U	
16	1	Remote console		**PRR-1601P***	520,0	1U	
16	1	Remote console		**PRR-1601M****	576,0	1U	
16	1	Remote console		**PRR-1601PM****	890,0	3U	
16	2	Remote console		**PRR-1602**	576,0	1U	
16	8	Remote console		**PRR-1608**	528,0	1U	
16	8	Local console		**PRL-1608**	360,0	1U	
8	8	Remote console		**PRR-0808B**	372,0		
1. router state indication panel for 16x, 32x, 64x				**PPI-1616**	210,0		
2. universal X-Y remote console (one console with RS-485 interface)				**PRR-1000**	420,0	2U	
3. universal X-Y remote console (two consoles with RS-485 interfaces)				**PRR-1000-2**	700,0	2U	
4. 16x routers are compatible with series x1 and 8x consoles							
5. Software package for MS-Windows (*RS-232 connectivity*)					300,0		
6. redundant Power Supply Unit *(for 1U, 2U rack routers)*					200,0		
***) To order a router with a local contrrol panel, please add the "*F*" index (*for example:* PVS-1608V-F)							

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru web: http://www.profitt.ru

STANDALONE DEVICES

No. of inputs	No. of outputs	Signal types: Video	Signal types: Audio	Designation code	Price	Rack height (U=44,5 mm)	Notes
32x series routers *)							
Modular design. AC or DC coupled inputs. Overvoltage protection. High CMRR. Monitor output is provided. SDI routers feature the PAL and SDI monitor outputs. Controls: form a PC (RS-232 interface converter required), from console(s) via an RS-485 network.							
32	32	V		**PVS-3232V**	6300,0	3U	A pair of mono routers, controlled synchronously, is required to handle the stereo audio.
			A	**PSS-3232A**	3900,0	3U	
		SDI/ASI		**PVS-3232DSI**	10800,0	3U	
16	32	V		**PVS-1632V**	4600,0	3U	
			A	**PSS-1632A**	3000,0	3U	
		SDI/ASI		**PVS-1632DSI**	9800,0	3U	
32	16	V		**PVS-3216V**	5800,0	3U	
			A	**PSS-3216A**	3700,0	3U	
		SDI/ASI		**PVS-3216DSI**	8200,0	3U	
Consoles and software packages for 32x series of routers							
32	32	Remote console		**PRR-3232**	684,0	2U	*) large (18x18mm buttons **) controls the monitor output and selects an input for a given output
32	32	Remote console		**PRR-3232P*)**	1298,0	3U	
32	1	Remote console		**PRR-3201**	522,0	1U	
32	1	Remote console		**PRR-3201M**)**	684,0	2U	
32	1	Remote console		**PRR-3201PM**)**	1298,0	3U	
32	2	Remote console		**PRR-3202**	684,0	2U	
32	4	Remote console		**PRR-3204**	456,0	2U	
32	8	Remote console		**PRR-3208**	468,0	2U	
32	16	Remote console		**PRR-3216P***	1050,0	3U	
1. universal X-Y remote console (one console with RS-485 interface)				**PRR-1000**	420,0	2U	
2. universal X-Y remote console (two consoles with RS-485 interfaces)				**PRR-1000-2**	700,0	2U	
3. 32x routers are compatible with series x1, 8x and 16x consoles							
4. Software package for MS-Windows (*RS-232 connectivity*)					300,0		
5. redundant CPU					350,0		
6. redundant Power Supply Unit					350,0		
64x series routers *)							
Modular design. AC or DC coupled inputs. Overvoltage protection. High CMRR. Monitor output is provided. SDI routers feature the PAL and SDI monitor outputs. Controls: form a PC (RS-232 interface converter required), from console(s) via an RS-485 network. All 64x routers may be expanded up to 64x64 capacity.							
32	64	V		**PVSX-3264V**	9300,0		
			A	**PSSX-3264A**	4960,0	6U	
48	64	V		**PVSX-4864V**	11950,0		
			A	**PSSX-4864A**	5900,0	6U	
64	64	V		**PVSX-6464V**	14800,0		
			A	**PSSX-6464A**	7220,0	6U	
Consoles and software packages for 64x series of routers							
1. . universal X-Y remote console (one console with RS-485 interface)				**PRR-1000**	420,0	2U	
2. universal X-Y remote console (two consoles with RS-485 interfaces)				**PRR-1000-2**	700,0	2U	
3. 64x routers are compatible with series x1, 8x, 16x and 32x consoles							
4. Software package for MS-Windows (*RS-232 connectivity*)					300,0		
5. redundant CPU					350,0		
6. redundant Power Supply Unit *(for SDI/ASI routers)*					575,0		
7. redundant Power Supply Unit *(V, A and AA routers)*					350,0		
***) 32x series and bigger routers are produced by request**							

Acronyms used:
V – composite video;
SDI – D1 (270MHz) digital video, reclocking, cable equalization;
DSI – D1 (270MHz) digital video or DVB-ASI stream;
HDSI – HD/SD SDI or DVB-ASI stream;
A – analog MONO audio;
AA – analog two-channel audio;
EE – AES/EBU digital audio;

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

#	Description	Designation code	Price	Rack height (U=44,5mm)	Notes
PSOE-3232-3G series 3G/HD/SD SDI/DVB-ASI routers with SFP-type electrical and/or optical inputs/outputs					
1U frame (PSOE-3232-3G) with the routing matrix, two power supply units, CPU module for management, 16 input and 16 output SFP sockets. **Hot-swappable two-channel SFP modules as optical or electrical inputs and outputs. Any combination of optical vs electrical SFPs. SNMP monitoring in real-time: optical input and output power, wavelength.** **All outputs recklocked. All inputs equalised. Global REF input.** **HDMI monitor output.** **Compatible with all PROFITT's Etherneted control panel and consoles.**					
1.	3G/HD/SD SDI/DVB-ASI routers	**PSOE-3232-3G**	4990,0	1U	
2.	Electrical SFP modules:				
2.1	2-channel eSFP input module	**PRFT-C30-DR-B-DN**	295,0		
2.2	2-channel eSFP output module	**PRFT-C30-DT-B-DN**	295,0		
3.	Optical SFP modules: (*3Gbps, LC/UPC connectors*)				
3.1	2-channel optical receiver (*-24~-3dBm*)	**PRFT-30DR-DN**	300,0		
3.2	2-channel optical receiver (*APD, -28~-9dBm*)	**PRFT-30DRH-DN**	1390,0		
3.3	2-channel optical transmitter (*FP, 1310nm, -5~0 dBm optical power*)	**PRFT-1330DT-10DN**	310,0		
3.4	2-channel optical transmitter (*DFB, 1310nm, 0~3 dBm optical power*)	**PRFT-1330DT-35DN**	560,0		
3.5	2-channel optical transmitter (*DFB, 1550nm, 0~3 dBm optical power*)	**PRFT-1530DT-50DN**	560,0		
3.6	2-channel CWDM optical transmitter (*DFB, 1270~1610nm, 0~3 dBm optical power*)	**PRFT-1630DT-xxDN**	750,0		
4.	Compatible with 32X series panels and software packages				
5.	HD BNC "apple corer" tool		320,0		
6.	BNC-to-HDBNC cable kits	**BNC-HDBNC-4-1,0**	22,0		
MFA64 series multi-format stereo-audio router					
Analog stereo or AES/EBU audio routers. Modular design. Routing matrix capacity from 8x8 up to 64x64 in 8 channels increments. Glitch-free switching. User-selectable combination of input and output modules. External AES/EBU or video reference. RS-232/RS-485 or Ethernet (*"E" model index*). Optional stand-by power supply unit.					
1.	64x64 multiformat stereo audio router *(without the I/O modules)*	**MFA-6464** **(MFA-6464E)**	1300,0 1400,0	3U	
1.1.	Input and output modules *(up to 8 modules in any combination)*:				
	•analog audio input module *(8 stereo inputs)*	**PINA-01**	450,0		
	•analog audio output module*(8 stereo outputs)*	**POTA-03**	380,0		
	•AES/EBU input module *(8 AES/EBU inputs)*	**PINE-02**	480,0		
	•AES/EBU output module *(8 AES/EBU outputs)*	**POTE-04**	350,0		
2.	redundant Power Supply Unit		350,0		
MFA64 series routers are compatible with the x1, 8x, 16x, 32x, 64x series consoles.					
Analog stereo audio 8-channel level analyser-logger with monitoring facility					
Analyses up to eight stereo audio signals for level anomalies (pass/fail) logging each event of anomaly. PAL monitor output with bargraph 16-channel audio level meter OSD *(PLAT-4070V only)*. Schedule-controlled analysis and logging on each channel. A schedule is loaded from a PC, an event log and settings are viewable on a PC, module's local and remote consoles. Built-in CMOS calender/timer. An auxiliary 8x1 switcher selects an input channel for external monitoring/metering on two stereo monitor outputs. Remote console with acoustic and LED alarms. Module is supplied with the control software packege.					
1.	Analog stereo audio 8-channel level analyser-logger (*PAL monitor output with bargraph audio level meter OSD*)	**PLAT-4070V**	1500,0	1U	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

STANDALONE DEVICES

#	Description	Designation code	Price	Notes
	Relay bypass modules			
	Provides an emergency bypass for analog or digital lines. **<u>Relay video baypass modules (PRB-103)</u>: three channels for an analog composite (PAL, SECAM) or component (YUV, RGB, YC), digital (SD SDI, DVB-ASI) and HD SDI (PRB-103 only) video and unbalanced digital audio (AES/EBU) signals. BNC connectors. The GPO reports the module status: when in BYPASS (PRB-103). Automatic BYPASS (PRB-097, PRB-103) on POWER DOWN condition.** **<u>Relay audio bypass modules (PRB-098)</u>: two channels for analog stereo or balanced digital AES/EBU signals. XLR connectors. Automatic BYPASS on POWER DOWN condition.** **Local or remote (GPI) controls.** **A 1U mounting plate is available to fit up to three video or one video and one PRB-098 bypass module(s) in a 19" rack.**			
1.	relay audio bypass module (*2-ch, XLR connectors*)	**PRB-098**	170,0	193x132x42mm
2.	relay PAL/SECAM, HD/SD SDI 3-channel bypass module	**PRB-103**	405,0	146x132x42mm
3.	1U rack mounting plate	**PM-021**	20,0	
	2x1 relay switchers			
	<u>Relay 2x1 bypass module PRB-101S(E)</u>: for an analog composite (PAL, SECAM), digital (HD SDI) video and balanced/unbalanced analog and AES/EBU audio signals. BNC connectors. Three independent channels. **<u>Relay 2x1 switch PRB-099S(A)(E)</u>: analog composite (PAL, SECAM), digital (SD/HD SDI) video and analog or AES/EBU audio signals. BNC and XLR connectors.** **Local or remote (GPI) controls.** **A 1U mounting plate is available to fit in a 19" rack.**			
1.	relay PAL/SECAM, HD/SD SDI, stereo audio 2x1 switch	**PRB-099S**	510,0	*Add "E" index for Ethernet option: for example – **PRB-099SAE***
2.	relay stereo audio 2x1 switch	**PRB-099SA**	410,0	
3.	relay PAL/SECAM, HD/SD SDI, AES/EBU 3-channel bypass module	**PRB-101S**	620,0	
4.	Ethernet connectivity module (*E-option*)	**PSE-995**	95,0	
5.	Software package for 2x1 remote control (*MS Windows*)	**RSC 2x1 v1.xx**	300,0	
6.	Software package for PRB-101S remote control and monitoring (*MS Windows*)	**RSC 101 v1.xx**	300,0	
	Emergency public announcement systems			
	Devices provide remotely controlled (via Ethernet and/or GPIO**) switching between a studio programming and a Public Announcement on Emergency situations.** **Suppored video: composite (**PAL/SECAM/NTSC**), digital (**HD/SD SDI**); supported audio: analog and AES/EBU. Cable equalization (PMC-105). Input signal presence indication.**			
1.	Video/audio emergency public announcement switcher	**PMC-105**	720,0	
2.	Stereo audio emergency public announcement switcher	**PMA-106**	620,0	
3.	HD/SD SDI emergency public announcement switcher	**PMD-107**	920,0	
4.	AES/EBU audio emergency public announcement switcher	**PME-108**	610,0	
5.	Redundant PSU		200,0	
6.	Software package for remote control (*MS Windows*)	**EMERCOM v1.xx**	300,0	
	2x1 electric (relayless) switchers			
	Electric switching between the two input signals. Types of signals supported: analog video - PAL/SECAM/NTSC; analog audio – analog stereo; digital video - HD/SD SDI/ASI; digital audio - AES/EBU. Number of outputs: 3. Remotely controllable via ETHERNET or GPIO. Audio level indicators (PMC-125, PMA-126). Relay bypass on the first input for power down condition. Optional redundant PSU. 1U rack.			
1.	2x1 video/audio switcher	**PMC-125**	680,0	
2.	2x1 audio switcher	**PMA-126**	620,0	
3.	2x1 HD/SD SDI switcher	**PMD-127**	920,0	
4.	2x1 AES/EBU switcher	**PME-128**	610,0	
5.	Redundant PSU		200,0	
6.	Software package for remote control (*MS Windows*)	**RSC 2x1 v1.xx**	300,0	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

#	Description	Designation code	Price	Notes
	Interface converters and GPI adapters			
1.	Interface convertion module (*ETHERNET→RS485, RS232→RS485*)	**PIC-4094**	295,0	
2.	Interface convertion module (*RS-232→RS-485*)	**PIC-094**	120,0	
3.	Interface convertion module (*RS-232→RS-485, for PDMX-1016*)	**PIC-094MX**	120,0	
4.	RS-485 "PROFITT" proprietary protocol repeater	**PNPT-4098**	250,0	
5.	Interface convertion module (*RS-232→8-ch GPI*)	**PIC-4051**	210,0	
6.	RS-485 driven TALLY *(on-air)* adapter	**PIC-4051TK**	210,0	
7.	Interface convertion module (*48-ch GPI→RS-232*)	**PIC-4052**	240,0	
8.	Interface convertion module (*48-ch GPI→RS-485, with software package*)	**PIC-4052K**	340,0	
9.	RS-485 network 12-port HUB	**PHUB-4002**	350,0	
10.	1U mounting plate *(for PIC-4051, PIC-4052)*	**PM-021**	20,0	
	GPI, GPO consoles			
1.	GPI, RS-232 control console *(x GPI, clamp-on connectors; RJ45 connectors, with status display)*	**PGPI-4054D-x**	200,0 + x*18,0	*"x" denotes the number of buttons, and GPI lines, 2~16*
2.	GPI, RS-232 control console *(x GPI, clamp-on connectors; RJ45 connectors)*	**PGPI-4054-x**	170,0 + x*18,0	
	Patch-panels and cable fittings *)			
1.	16-BNC 1U patch-panel	**PPB-16**	180,0	
2.	8-BNC 1U patch-panel	**PPB-8**	124,0	
3.	16-XLR-female 1U patch-panel	**PPX-16F**	156,0	
4.	16-XLR-male 1U patch-panel	**PPX-16M**	138,0	
5.	8-XLR-female 1U patch-panel	**PPX-8F**	100,0	
6.	8-XLR-male 1U patch-panel	**PPX-8M**	100,0	
7.	8-XLR-female/8-XLR-male 1U patch-panel	**PPX-8MF**	144,0	
8.	4-XLR-female/12-XLR-male 1U patch-panel	**PPX-12M4F**	144.0	
9.	12-XLR-female/4-XLR-male 1U patch-panel	**PPX-4M12F**	144,0	
10.	DUB25pin→clamp-on adapter	**PBS-25**	24,0	
11.	DUB25pin→four XLRs cable-adapter: 0,5 m	**PKD25-4X-0,5**	30,0	Replace "**X**" with the XLR connector type ("F" – female, "M"– male); specify to order
	1,0 m	**PKD25-4X-1,0**	32,0	
	1,5 m	**PKD25-4X-1,5**	38,0	
	• *Other combinations are available on request.*			

****) Other modifications of patch-panels are available.***	**Please, refer to Anex#1**

	Standalone devices in miniature cases			
	50,5x128x160mm miniature case, fits into 3U rack (up to eight pieces) 180mm deep. Fully standalone operation possible.			
1.	Video cable equalizer (*six-band, up to 2km*) /1 input; 4 outputs; overvoltage protection on input and outputs; high CMRR; relay bypass; 220V AC power /	**PCV-5001-1**	350,0	
2.	Video cable equalizer (*six-band, up to 2km*) /1 input; 4 outputs; overvoltage protection on input and outputs; high CMRR; relay bypass; 36~72V DC power/	**PCV-5001-2**	380,0	
3.	3U rack to host up to eight miniature cases	**PC3U**	170,0	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

"CRAB" modular system

20 mm slots modules placement.
1U "CRAB" rack has four slots, 2U – eight slots, 3U – sixteen slots.
Common power supply bus, common control bus across all the slots.

VIDEO distribution amplifiers, cable equalizers

Designation code	No.of inputs	No. of outputs	High CMRR	DC restoration	Cable equalizer C*	Relay bypas	No. of slots occupied	Price
PVD-1061-5 (11)	1	5 (11)	+			+	1 (2)	130 (160)
PVD-1061-5 (11) D	1	5 (11)	+	+		+	1 (2)	180 (210)
PVD-1061-5 (11) C*	1	5 (11)	+		+	+	1 (2)	130 (160) +C*
PVD-1061-5 (11) C*D	1	5 (11)	+	+	+	+	1 (2)	180 (210) +C*
C* - cable equalizer types:								
C1 – simplified, up to 400 meters (two presets - GAIN, EQ)								40,0
C6 – advanced, six-band, up to 2 km (depends on the cable)								80,0

AUDIO distribution amplifiers

Output level indication, 12dB gain presets.

Designation code	No. of inputs	No. of outputs	IN/OUT connector type	Relay bypass	Balanced output*)	No. of slots occupied	Price
Transformerless balanced input *)							
PAD-1062-7X **)	1	7	XLR	+	+	4	180,0
PAD-1062-7D	1	7	DB25	+	+	1	150,0
PAD-1062-7K	1	7	clamp-on ***)	+	+	2	180,0
PAD-1062-3X	1	3	XLR	+	+	2	166,0
PAD-1062-3K	1	3	clamp-on ***)	+	+	1	166,0
Transformer-balanced input							
PAD-1063-7X **)	1	7	XLR	+	+	4	280,0
PAD-1063-7D	1	7	DB25	+	+	1	250,0
PAD-1063-7K	1	7	clamp-on ***)	+	+	2	291,0
PAD-1063-3X	1	3	XLR	+	+	2	266,0
PAD-1063-3K	1	3	clamp-on ***)	+	+	1	266,0

***) - unbalanced optional connection possible**
****) - fits 1U rack only**
*****) - clamp-on connectors**

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

PROBOX modular system

VIDEO changeovers (2x1 switch)							
Automatic or manual (local or remote /GPI/) changeover to the stand-by channel on video loss condition. Relay bypass on power down condition.							
Designation code	**No. of inputs**	**No. of outputs**	**High CMRR**	**DC restoration**	**Cable equalizer C1** (up to 400 meters) /main channel/	**No. of slots occupied**	**Price**
PVD-1061-2	2	2	+			1	220,0
PVD-1061-2D	2	2	+	+		1	270,0
PVD-1061-2C1	2	2	+		+	1	270,0
PVD-1061-2C1D	2	2	+	+	+	1	320,0

AUDIO changeovers (2x1 switch)							
The 'audio follows video' changeover action under the PVD-1061-2 or manual controls /GPI/. Relay bypass on power down condition. Balanced or unbalanced inputs.							
Designation code	**No. of inputs**	**No. of outputs**	**N/OUT connector typ**	**utput level mete**	**Gain presets**	**No. of slots occupied**	**Price**
PAD-1062R-6D	2	6	DB25	+	+	1	170,0
PAD-1062R-2X	2	2	XLR	+	+	2	186,0
PAD-1062R-5K	2	5	clamp-on***)	+	+	2	200,0

VIDEO and AUDIO changeovers (2x1 video and balanced stereo audio switch)								
Automatic or manual (local or remote /GPI/) changeover to the stand-by channel on video loss condition. High reliability of the fault condition detection. VBI-timed switching action. Relay bypass on power down condition. Input signals' status indicators. The "audio follows video" switching action. DB-25 audio connectors. High CMRR of video input.								
Designation code	**No. of inputs**		**No. of outputs**		**DC restoration**	**Cable equalizer C1** (up to 400 meters) on main channel	**No. of slots occupied**	**Price**
	video	**audio**	**video**	**audio**				
PVD-1061A-2	2	2	2	1			2	240,0
PVD-1061A-2D	2	2	2	1	+		2	290,0
PVD-1061A-2C1	2	2	2	1		+	2	290,0
PVD-1061A-2C1D	2	2	2	1	+	+	2	340,0

"CRAB" modular system racks and additional equipment			
Description	**Designation code**	**Price**	**Notes**
«CRAB» modular system racks with a backplane and 187~242VAC power supply			
1. 1U "CRAB" rack	**PK1UM**	300,0	For a rack with two PSUs – the main and stand-by one – please add the "*D*" index to the model *(for example: PK3UMD)*
2. 2U "CRAB" rack	**PK2UM**	330,0	
3. 3U "CRAB" rack	**PK3UM**	630,0	
4. stand-by power supply unit for 1U and 2U racks		200,0	
5. stand-by power supply unit for 3U racks		250,0	
«CRAB» modular system racks with a backplane and 36~72VDC power supply			
1. 1U "CRAB" rack	**PK1U-DC**	300,0	
2. 2U "CRAB" rack	**PK2U-DC**	330,0	
For 1U XLR patch-panels please refer to Annex#1.			**Please, refer to Anex#1**

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

PROBOX compact modular system

Devices in compact cases, for indoor and outdoor environments.
Case dimensions: 160*105*33,5mm or 100*105*33,5mm.

3G/HD/SD SDI/DVB-ASI and Ethernet optical converters

Optical converters for transmission/reception of 3G/HD/SD SDI/DVB-ASI and 100/1000BaseT Ethernet. Single-fiber and multi-fiber modifications. Two-port 100/1000 BaseT Ethernet switch.

Model designation codes:

Letters denote: T – transmitter, R – receiver, E – Ethernet capability, F – fibers; numbers after each letter denote the quantity of said category.

For example: 2T2RE6F – a device with two transmitters, two receivers, capable of Ethernet, requires six optical fibers.

Single-fiber optical converters

Bidirectional and unidirectional transmission. Up to eight 3G signals and Ethernet (-*E modification index*) support. Any combination of quantity of transmitters and/or receivers (Tx/Rx) per device (4/0, 3/1, 2/2, 1/3, 0/4). Optical upgrade port. 4K SDI (as four times 3G) with Ethernet over a single fiber. 8K SDI (as eight times 3G) with Ethernet over a single fiber – (requires two devices optically daisy-chained via the upgrade port). Optical budget for transmission up to 80km. CWDM in the 1470~1610nm band. 1310nm optical upgrade port. To provide eight-channel capability the pair of 1470~1610nm and 1270~1450nm (-*L modification index*) devices must be used.

Case dimensions: 160*105*33,5mm

	Description	Designation code	Price	Note
1.	3G/HD/SD SDI/DVB-ASI single-fiber optical converters	**PBX-1T1R1F**	964,0	Tx-1, Rx-1, 1470~1610nm
2.		**PBX-1R1T1F**	964,0	Rx-1, Tx-1, 1470~1610nm
3.		**PBX-1T1R1FL**	964,0	Tx-1, Rx-1, 1270~1450nm
4.		**PBX-1R1T1FL**	964,0	Rx-1, Tx-1, 1270~1450nm
5.		**PBX-2T1F**	1520,0	Tx-2, Rx-0, 1470~1610nm
6.		**PBX-2R1F**	920,0	Rx-2, Tx-0, 1470~1610nm
7.		**PBX-2T1FL**	1520,0	Tx-2, Rx-0, 1270~1450nm
8.		**PBX-2R1FL**	920,0	Rx-2, Tx-0, 1270~1450nm
9.		**PBX-2T2R1F**	2000,0	Tx-2, Rx-2, 1470~1610nm
10.		**PBX-2R2T1F**	2000,0	Rx-2, Tx-2, 1470~1610nm
11.		**PBX-2T2R1FL**	2000,0	Rx-2, Tx-2, 1270~1450nm
12.		**PBX-2R2T1FL**	2000,0	Rx-2, Tx-2, 1270~1450nm
13.		**PBX-3T1R1F**	2420,0	Tx-3, Rx-1, 1470~1610nm
14.		**PBX-3R1T1F**	1820,0	Rx-3,Tx-1, 1470~1610nm
15.		**PBX-3T1R1FL**	2420,0	Tx-3, Rx-1, 1270~1450nm
16.		**PBX-3R1T1FL**	1820,0	Rx-3, Tx-1, 1270~1450nm
17.		**PBX-4T1F**	2600,0	Tx-4, Rx-0, 1470~1610nm
18.		**PBX-4R1F**	1400,0	Rx-4, Tx-0, 1470~1610nm
19.		**PBX-4T1FL**	2600,0	Tx-4, Rx-0, 1270~1450nm
20.		**PBX-4R1FL**	1400,0	Rx-4, Tx-0, 1270~1450nm
21.	3G/HD/SD SDI/DVB-ASI, Ethernet single-fiber optical converters	**PBX-1T1RE1F**	1900,0	Tx-1, Rx-1; Ethernet, 1470~1610nm
22.		**PBX-1R1TE1F**	1900,0	Rx-1, Tx-1; , 1470~1610nm Ethernet
23.		**PBX-1T1RE1FL**	1900,0	Tx-1, Rx-1; Ethernet, 1270~1450nm
24.		**PBX-1R1TE1FL**	1900,0	Rx-1, Tx-1; Ethernet, 1270~1450nm
25.		**PBX-2TE1F**	2080,0	Tx-2, Rx-0; Ethernet, 1470~1610nm
26.		**PBX-2RE1F**	1480,0	Rx-2, Tx-0; Ethernet, 1470~1610nm

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

	Description	Designation code	Price	Note
27.	3G/HD/SD SDI/DVB-ASI, Ethernet single-fiber optical converters	**PBX-2TE1FL**	2080,0	Tx-2, Rx-0; Ethernet, 1270~1450nm
28.		**PBX-2RE1FL**	1480,0	Rx-2, Tx-0; Ethernet, 1270~1450nm
29.		**PBX-2T2RE1F**	2560,0	Tx-2, Rx-2; Ethernet
30.		**PBX-2R2TE1FL**	1560,0	Rx-2, Tx-2; Ethernet, 1270~1450nm
31.		**PBX-2T2RE1FL**	2560,0	Tx-2, Rx-2; Ethernet, 1270~1450nm
32.		**PBX-2R2TE1FL**	2560,0	Rx-2, Tx-2; Ethernet, 1270~1450nm
33.		**PBX-3T1RE1F**	2980,0	Tx-3, Rx-1; Ethernet, 1470~1610nm
34.		**PBX-3R1TE1F**	2380,0	Rx-3, Tx-1; Ethernet, 1470~1610nm
35.		**PBX-3T1RE1FL**	2980,0	Tx-3, Rx-1; Ethernet, 1270~1450nm
36.		**PBX-3R1TE1FL**	2380,0	Rx-3, Tx-1; Ethernet, 1270~1450nm
37.		**PBX-4TE1F**	3160,0	Tx-4, Rx-0; Ethernet, 1470~1610nm
38.		**PBX-4RE1F**	1960,0	Rx-4, Tx-0; Ethernet, 1470~1610nm
39.		**PBX-4TE1FL**	3160,0	Tx-4, Rx-0; Ethernet, 1270~1450nm
40.		**PBX-4RE1FL**	1960,0	Rx-4, Tx-0; Ethernet, 1270~1450nm
	Weather-proof casing	***-IP* index**	+60,0	example: PBX-1T1R1F-IP

Multi-fiber optical converters				
Bidirectional and unidirectional transmission. Optional Ethernet (-*E modification index***) support. Any combination of quantity of transmitters and/or receivers (Tx/Rx) per device (4/0, 3/1, 2/2, 1/3, 0/4).** **Optical budget for transmission up to 80km. CWDM in the 1470~1610nm band. Tx and Rx are supposed to be used in a dedicated pair (**according to the wavelengths' allocation**).** **Case dimensions: 160*105*33,5mm**				
	Description	**Designation code**	**Price**	**Note**
1.	3G/HD/SD SDI/DVB-ASI multi-fiber optical converters	**PBX-1T1R2F-20**	810,0	Tx-1, Rx-1, F-2
2.		**PBX-1R1T2F-20**	750,0	Rx-1, Tx-2, F-2
3.		**PBX-1T1R2F-80**	1230,0	Tx-1, Rx-1, F-2
4.		**PBX-1R1T2F-80**	1230,0	Rx-1, Tx-1, F-2
5.		**PBX-2T2F-20**	750,0	Tx-2, Rx-0, F-2
6.		**PBX-2T2F-80**	750,0	Tx-2, Rx-0, F-2
7.		**PBX-2R2F**	750,0	Rx-2, Tx-0, F-2
8.		**PBX-2T22R4F-20**	1200,0	Tx-2, Rx-2, F-4
9.		**PBX-2R2T4F-20**	1200,0	Rx-2, Tx-2, F-4
10.		**PBX-2T2R4F-80**	1260,0	Tx-2, Rx-2, F-4
11.		**PBX-2R2T4F-80**	1260,0	Rx-2, Tx-2, F-4
12.		**PBX-3T1R4F-20**	1260,0	Tx-3, Rx-1, F-4
13.		**PBX-3R1T4F-20**	1200,0	Rx-3, Tx-1, F-4
14.		**PBX-3T1R4F-80**	1740,0	Tx-3, Rx-1, F-4
15.		**PBX-3R1T4F-80**	1680,0	Rx-3, Tx-1, F-4
16.		**PBX-4T4F-20**	1200,0	Tx-4, Rx-0, F-4
17.		**PBX-4T4F-80**	1320,0	Tx-4, Rx-0, F-4
18.		**PBX-4R4F**	1200,0	Rx-4, Tx-0, F-4
19.	3G/HD/SD SDI/DVB-ASI, Ethernet multi-fiber optical converters	**PBX-1T1RE2F-20**	880,0	Tx-1, Rx-1, F-2, Ethernet
20.		**PBX-1R1TE2F-20**	880,0	Rx-1, Tx-1, F-2, Ethernet
21.		**PBX-1T1RE2F-80**	1120,0	Tx-1, Rx-1, F-2, Ethernet
22.		**PBX-1R1TE2F-80**	1120,0	Rx-1, Tx-1, F-2, Ethernet
23.		**PBX-1T1RE3F-20**	910,0	Tx-1, Rx-1, F-3, Ethernet
24.		**PBX-1R1TE3F-20**	910,0	Rx-1, Tx-1, F-3, Ethernet
25.		**PBX-1T1RE3F-80**	1510,0	Tx-1, Rx-1, F-3, Ethernet
26.		**PBX-1R1TE3F-80**	1510,0	Rx-1, Tx-1, F-3, Ethernet
27.		**PBX-1T1RE4F-20**	960,0	Tx-1, Rx-1, F-4, Ethernet
28.		**PBX-1R1TE4F-20**	900,0	Rx-1, Tx-1, F-4, Ethernet
29.		**PBX-1T1RE4F-80**	1480,0	Tx-1, Rx-1, F-4, Ethernet
30.		**PBX-1R1TE4F-80**	1480,0	Rx-1, Tx-1, F-4, Ethernet
31.		**PBX-2TE3F-20**	910,0	Tx-2, Rx-0, F-3, Ethernet
32.		**PBX-2RE3F-20**	910,0	Rx-2, Tx-0, F-3, Ethernet
33.		**PBX-2TE3F-80**	1090,0	Tx-2, Rx-0, F-3, Ethernet

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

	Description	Designation code	Price	Note
34.		**PBX-2RE3F-80**	1030,0	Rx-2, Tx-0, F-3, Ethernet
35.		**PBX-2TE4F-20**	900,0	Tx-2, Rx-0, F-4, Ethernet
36.		**PBX-2RE4F-20**	900,0	Rx-2, Tx-0, F-4, Ethernet
37.		**PBX-2TE4F-80**	1060,0	Tx-2, Rx-0, F-4, Ethernet
38.		**PBX-2RE4F-80**	1000,0	Rx-2, Tx-0, F-4, Ethernet
39.		**PBX-2T2RE5F-20**	1320,0	Tx-2, Rx-2, F-5, Ethernet
40.		**PBX-2R2TE5F-20**	1320,0	Rx-2, Tx-2, F-5, Ethernet
41.		**PBX-2T2RE5F-80**	1500,0	Tx-2, Rx-2, F-5, Ethernet
42.		**PBX-2R2TE5F-80**	1500,0	Rx-2, Tx-2, F-5, Ethernet
43.		**PBX-2T2RE6F-20**	1310,0	Tx-2, Rx-2, F-6, Ethernet
44.		**PBX-2R2TE6F-20**	1310,0	Rx-2, Tx-2, F-6, Ethernet
45.		**PBX-2T2RE6F-80**	1470,0	Tx-2, Rx-2, F-6, Ethernet
46.		**PBX-2R2TE6F-80**	1470,0	Rx-2, Tx-2, F6, Ethernet
47.	3G/HD/SD SDI/DVB-ASI, Ethernet	**PBX-3T1RE5F-20**	1380,0	Tx-3, Rx-1, F-5, Ethernet
48.	multi-fiber optical converters	**PBX-3R1TE5F-20**	1320,0	Rx-3, Tx-1, F-5, Ethernet
49.		**PBX-3T1RE5F-80**	1980,0	Tx-3, Rx-1, F-5, Ethernet
50.		**PBX-3R1TE5F-80**	1920,0	Rx-3, Tx-1, F-5, Ethernet
51.		**PBX-3T1RE6F-20**	1370,0	Tx-3, Rx-1, F-6, Ethernet
52.		**PBX-3R1TE6F-20**	1310,0	Rx-3, Tx-1, F-6, Ethernet
53.		**PBX-3T1RE6F-80**	1950,0	Tx-3, Rx-1, F-6, Ethernet
54.		**PBX-3R1TE6F-80**	1890,0	Rx-3, Tx-1, F-6, Ethernet
55.		**PBX-4TE5F-20**	1320,0	Tx-4, Rx-0, F-5, Ethernet
56.		**PBX-4RE5F-20**	1320,0	Rx-4, Tx-0, F-5, Ethernet
57.		**PBX-4TE5F-80**	1920,0	Tx-4, Rx-0, F-5, Ethernet
58.		**PBX-4RE5F-80**	1440,0	Rx-4, Tx-0, F-5, Ethernet
59.		**PBX-4TE6F-20**	1310,0	Tx-4, Rx-0, F-5, Ethernet
60.		**PBX-4RE6F-20**	1310,0	Rx-4, Tx-0, F-6, Ethernet
61.		**PBX-4TE6F-80**	1890,0	Tx-4, Rx-0, F-6, Ethernet
62.		**PBX-4RE6F-80**	1410,0	Rx-4, Tx-0, F-6, Ethernet
	Weather-proof casing	***-IP* index**	+60,0	example: PBX-1T1R1F-IP

PROFLINK modular system

	Single-channel optical converters			
	Unidirectional transmission of 3G/HD/SD SDI/DVB-ASI signals and/or Ethernet (-*E modification index*). **Single- or multi-fiber modifications. Optical budget for transmission up to 80km (-*80 modification index*).** **1310nm/1550nm for SDI signals. Two-fiber SFPs for Ethernet support (1310nm/1550nm) or bidirectional (single-fiber, built-in optical MUX) with 1330nm/1550nm or 1490nm/1550nm lasers. Tx and Rx are supposed to be used in a dedicated pair (**according to the wavelengths' allocation**).** **Case dimensions: 160*105*33,5mm**			
	Description	**Designation code**	**Price**	**Note**
1.	3G/HD/SD SDI/DVB-ASI single-channel optical converters	**PBX-1T1F-20**	460,0	Tx-1, F-1
2.		**PBX-1T1F-80**	590,0	Tx-1, F-1
3.		**PBX-1R1F**	440,0	Rx-1, F-1
4.	Ethernet single-channel optical converters	**PBX-E2F-20**	250,0	Ethernet, F-2
5.		**PBX-E2F-80**	320,0	Ethernet, F-2
6.		**PBX-E1F-35-20**	260,0	Ethernet, F-1
7.		**PBX-E1F-53-20**	260,0	Ethernet, F-1
8.		**PBX-E1F-45-80**	330,0	Ethernet, F-1
9.		**PBX-E1F-54-80**	330,0	Ethernet, F-1
10.	3G/HD/SD SDI/DVB-ASI, Ethernet single-channel optical converters	**PBX-1TE3F-20**	575,0	Tx-1, Ethernet, F-3
11.		**PBX-1RE3F-20**	555,0	Rx-1, Ethernet, F-3
12.		**PBX-1TE3F-80**	790,0	Tx-1, Ethernet, F-3
13.		**PBX-1RE3F-80**	655,0	Rx-1, Ethernet, F-3
14.		**PBX-1TE2F-35-20**	585,0	Tx-1, Ethernet, F-2
15.		**PBX-1RE2F-53-20**	565,0	Rx-1, Ethernet, F-2
16.		**PBX-1TE2F-45-80**	835,0	Tx-1, Ethernet, F-2
17.		**PBX-1RE2F-54-80**	685,0	Rx-1, Ethernet, F-2
	Weather-proof casing	***-IP* index**	+60,0	example: PBX-1T1R1F-IP

	3G/HD/SD SDI/DVB-ASI distribution amplifiers			
	Automatic cable equalizer (EQ), reclocking. Signal presence indication. **Case dimensions: 160*105*33,5mm**			
	Description	**Designation code**	**Price**	**Note**
1.	3G/HD/SD SDI/DVB-ASI four-channel 1x2 distribution amplifier	**PBX-412AMP**	590,0	
2.	3G/HD/SD SDI/DVB-ASI two-channel 1x4 distribution amplifier	**PBX-213AMP**	450,0	
3.	3G/HD/SD SDI/DVB-ASI 1x8 distribution amplifier	**PBX-118AMP**	290,0	
4.	3G/HD/SD SDI/DVB-ASI 1x4 distribution amplifier	**PBX-114AMP**	240,0	
	Weather-proof casing	***-IP* index**	+60,0	example: PBX-412AMP-IP
	PROBOX extras			
	1U mounting plate for 19'' rack, up to four PROBOX devices	**PM-022**	50,0	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

PROFLINK modular system				
PROFLINK™ provides easy way to communicate a large number of 3G/HD/SD SDI/DVB-ASI signals. Up to 28 channels of E/O and/or O/E; up to 14 "smart" DVB-ASI changeovers in a 1U rack.Two types of hot-swappable reclocker modules to cover all I/O configuration options. Modules are auto-configurable by an inserted hot-swappable SFP. 3G/HD/SD SDI/DVB-ASI support with reclocking. RX's input optical power, TX's output optical power and wavelength are real-time monitored locally or via SNMP. 1U rack (size: 482mm*150mm*44mm) is equipped with two PSUs and a CPU. Optional 4-ch/8-ch CWDM optical multiplexer/demultiplexer. **1U frame (PLK-1U) with two power supply units, a back-plane for hot-swappable functional modules, a CPU for remote management.** **Operation mode display on the frontal panel. The rear panel features the HDBNC connectors and SFP sockets.** **Optional 4/8-channel CWDM optical MUX/DEMUX.** **Automatic configuration by the SFP type inserted (RX, TX, RX/TX, etc).** **SNMP traps for remote management, "Proflex v3.xx" software package (MS Windows).** **482mm*150mm*44mm.**				
	Description	**Designation code**	**Price**	**Notes**
1	"PROFLINK™" 1U rack (*14 slots for base modules and SFPs. Redundant PSU. Built-in CPU with 100/1000 Ethernet.*)	**PLK-1U**	1350,0	
2	"PROFLINK™" 1U rack (*14 slots for base modules and SFPs. Redundant PSU. Built-in CPU with 100/1000 Ethernet, Gigabit Ethernet media-converter with SFP socket.*)	**PLK-1UE**	1450,0	
	Optical converters			
1	single-channel base module auto-configurable as: • optical RX with 2 electrical outputs, **PLK-954-R**; • optical TX with b/p electrical output, **PLK-954-T**; • optical transponder with 2 electrical outputs, **PLK-954-TR**	**PLK-RCS-954**	450,0	
2	two-channel base module auto-configurable as: • 2-ch optical RX with electrical outputs, **PLK-955-R**; • 2-ch optical TX, **PLK-955-T**.	**PLK-RCD-955**	690,0	
	3G/HD/SD SDI/DVB-ASI changeovers			
1	3G/HD/SD SDI/ASI changeover module auto-configurable as: • electrical inputs, twin optical outputs, **PKL-1100-EE** (with SFP pos. 4.1); • optical inputs, single optical output, **PLK-1100-FE** (with SFP pos.2.1~2.2);	**PLK-CH-1100**	720,0	
2	3G/HD/SD SDI/ASI changeover module auto-configurable as: • electrical inputs, twin optical outputs, **PKL-1101-EFD** (with SFP pos.2.3~2.6) as an optical transmitter; • optical inputs, single optical output, **PLK-1101-EF** (with SFP pos.1.3~1.6) as an optical transmitter;	**PLK-CH-1101**	780,0	
3	"smart" DVB-ASI changeover auto-configurable as: • electrical inputs and outputs, **PLK-1015-EE** (with SFP pos.4.1); • optical inputs, electrical outputs, **PLK-1015-FE** (with SFP pos.2.1~2.2) as an optical receiver; • electrical inputs, two optical outputs, **PLK-1015-EFD** (with SFP pos.2.3~2.6) as an optical transmitter; • electrical inputs, one optical output, **PLK-1015-EF** (with SFP pos.1.3~1.6) as an optical transmitter;	**PLK-CH-1015**	850,0	
	Compatible SFP modules for a single-channel reclocker: (*3.0Gbps, LC/UPC connectors*)			
1.1	Single-channel optical receiver (*-24~-3dBm input power*)	**PFRT-30R-D**	160,0	
1.2	APD single-channel optical receiver (*-28~-9dBm input power*)	**PRFT-30R-DH**	450,0	
1.3	Single-channel optical transmitter (*FP, 1310nm, -5~0 dBm output power*)	**PRFT-1330T-10D**	170,0	
1.4	Single-channel optical transmitter (*DFB, 1310nm, 0~+3 dBm output power*)	**PRFT-1330T-35D**	195,0	
1.5	Single-channel optical transmitter (*DFB, 1550nm, 0~+3 dBm output power*)	**PRFT-1530T-50D**	350,0	
1.6	Single-channel CWDM optical transmitter (*DFB, 0~+3 dBm output power*)	**PRFT-1630T-D##**	420,0	
1.7	Optical transceiver (*DFB, 1310nm, 0~+3dBm TX, -18~-3dBm RX*)	**PRFT-1330-35D**	360,0	
1.8	Optical transceiver (*APD, DFB, 1310nm, 0~+3dBm TX, -28~-3dBm RX*)	**PRFT-1330-50D**	620,0	
1.9	Optical transceiver (*DFB, 1550nm, 0~+3dBm TX, -18~-3dBm RX*)	**PRFT-1530-50D**	620,0	

PROFLINK modular system

	Description	Designation code	Price	Notes
1.10	Optical transceiver (*APD, DFB, 1550nm, 0~+3dBm TX, -28~-3dBm RX*)	**PRFT-1530-80D**	620,0	
1.11	Optical transceiver (*DFB, CWDM, 0~+3dBm TX, -18~-3dBm RX*)	**PRFT-1630-18D##**	690,0	
1.12	Optical transceiver (*APD, DFB, CWDM, 0~+3dBm TX, -28~-3dBm RX*)	**PRFT-1630-28D##**	750,0	
2	Compatible SFP modules for a two-channel reclocker: (*3.0Gbps, LC/UPC connectors*)			
2.1	Two-channel optical receiver (*-24~-3dBm input power*)	**PRFT-30DR-DN**	300,0	
2.2	APD two-channel optical receiver (*-28~-9dBm input power*)	**PRFT-30DRH-DN**	1390,0	
2.3	two-channel optical transmitter (*FP, 1310nm, -5~0 dBm output power*)	**PRFT-1330DT-10DN**	310,0	
2.4	two-channel optical transmitter (*DFB, 1310nm, 0~+3 dBm output power*)	**PRFT-1330DT-35DN**	560,0	
2.5	two-channel optical transmitter (*DFB, 1550nm, 0~+3 dBm output power*)	**PRFT-1530DT-50DN**	560,0	
2.6	two-channel optical transmitter CWDM (*DFB, 1270~1610nm, 0~+3 dBm output power*)	**PRFT-1630DT-xxDN**	780,0	xx-CWDM wavelength
3	Compatible SFP modules for transceivers (*3.0Gbps Rx+Tx, LC/UPC connectors*)			
3.1	Optical transceiver (*DFB, 1310nm, 0~+3dBm TX, -18~-3dBm RX*)	**PRFT-1330-35D**	360,0	
3.2	Optical transceiver (*APD, DFB, 1310nm, 0~+3dBm TX, -28~-9dBm RX*)	**PRFT-1330-50D**	620,0	
3.3	Optical transceiver (*DFB, 1550nm, 0~+3dBm TX, -18~-3dBm RX*)	**PRFT-1530-50D**	620,0	
3.4	Optical transceiver (*APD, DFB, 1550nm, +3~+7dBm TX, -28~-9dBm RX*)	**PRFT-1530-80D**	780,0	
3.5	Optical transceiver CWDM (*DFB, 1270~1610nm, 0~+3dBm TX, -18~-3dBm RX*)	**PRFT-1630-18D##**	690,0	
3.6	Optical transceiver CWDM (*APD,DFB, 1270~1610nm, 0~+3dBm TX, -28~-9dBm RX*)	**PRFT-1630-28D##**	750,0	
	Single-fiber (duplex) transmitters and receivers			
3.7	single-fiber transceiver (*FP, 1310nm, -5~0dBm TX, -18~-3dBm RX*)	**PRFT-BI1330-10-DL**	285,0	use in pair
3.8	single-fiber transceiver (*DFB, 1550nm, -5~0dBm TX, -18~-3dBm RX*)	**PRFT-BI1530-10-DL**	330,0	
3.9	single-fiber transceiver (*DFB, 1310nm, 0~+3dBm TX, -23~-9dBm RX*)	**PRFT-BI1330-35-DL**	450,0	use in pair
3.10	single-fiber transceiver (*DFB, 1550nm, 0~+3dBm TX, -23~-9dBm RX*)	**PRFT-BI1530-35-DL**	450,0	
3.11	single-fiber transceiver (*FP, 1310nm, -5~0dBm TX, -17~-3dBm RX*)	**PRFT-BI1630-10CLDL**	300,0	use in pair
3.12	single-fiber transceiver (*DFB, 1490nm, -5~0dBm TX, -17~-3dBm RX*)	**PRFT-BI1630-10LCDL**	360,0	
4	e-SFP modules for changeovers			
4.1	two-channel e-SFP electrical input module	**PRFT-C30-DR-B-DN**	**295,0**	
5	SFP modules for Ethernet support (*up to 1.25Gbps, model should be negotiated on ordering*)			
5.1	Single-fiber SFP (*-7~-1dBm Tx, -23~-3dBm Rx, 1310/1550nm, up to 20km, use as a pair*)	**SFP-S-20-31**	**66,0**	
		SFP-S-20-55	**66,0**	
5.2	Single-fiber SFP (*-2~+3dBm Tx, -24~-3dBm Rx, 1490/1550nm, 20~80km, use as a pair*)	**SFP-S-80-49**	**220,0**	
		SFP-S-80-55	**220,0**	
5.3	Dual-fiber SFP (*-9~-3dBm Tx, -23~-3dBm Rx, 1310nm, up to 20km*)	**SFP-D-20-31**	**66,0**	
5.4	Dual-fiber SFP (*-2~+3dBm Tx, -23~-3dBm Rx, 1550nm, 20~80km*)	**SFP-D-80-55**	**230,0**	
5.5	Dual-fiber SFP (*-5~0dBm Tx, -24~-3dBm Rx, CWDM, up to 20km*)	**SFP-D-20-CW##**	**200,0**	
5.6	Dual-fiber SFP (*-5~0dBm Tx, -24~-3dBm Rx, CWDM, 20~80km*)	**SFP-D-80-CW##**	**230,0**	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

	Optical multiplexers/demultiplexers			
1	4-ch CWDM MUX/DEMUX	**PLK-COM-4-4##**	880,0	
2	8-ch CWDM MUX/DEMUX	**PLK-COM-8##**	1575,0	
	Extras			
	Remote management software package	**Proflex3.xx**	500,0	
	Redundant PSU	**PMX-051**	200,0	
	In-rack CPU module	**PLK-CPU-M1**	370,0	
	HD BNC “apple corer” tool		320,0	
	BNC-to-HD BNC cable adaptor (*1 meter cable, 6mm or 4mm diameter, for PPB-16 or PPB-32 BNC-pass-through patch panels*)	**HDBNC-BNC-4-1,0**	22,0	

Ordering guide:

- Single-channel optical transmitter:
  PLK-RCS-954
  PRFT-1330T-10D
- CWDM single-channel optical transmitter:
  PLK-RCS-954
  PRFT-1630T-D1470
- DVB-ASI “smart” changeover with electrical inputs and outputs:
  PLK-CH-1015
  PRFT-C30-DR-B-DN
- DVB-ASI “smart” changeover with optical inputs and electrical outputs:
  PLK-CH-1015
  PRFT-30DR-DN

PROFLEX modular system

"PROFLEX" modular system				
A module occupies one or two 20mm slot(s). 1U "PROFLEX" rack has four slots, 3U rack – seventeen slots. Global REF routed to all slots.				
Description	**Designation code**	**Rack slots occupied**	**Price**	**Notes**
Multistandard decoders/encoders/transcoders/ADC/DAC/synchronizers/noise reducers				
ADC - 10 bits; DAC - 12 bits. **PAL frequency response: 5,5MHz ±0,5dB, adaptive comb filter.** **SECAM frequency response: 2,8MHz ±0,1dB; 3,2MHz less than -3dB; 4,28MHz better than -40dB; 5,8MHz ±0,5dB.** **REF: PAL/SECAM,H/2. Built-in VITS and colorbar generators. Optional synchronizer. Optional noise reducer - multimode filters; adaptive motion detector. VBI contents restore mode from REF to the output. Decoders and synchronizers: PAL output available in SDI/YUV output modes.**				
1. SDI/PAL/SECAM => PAL/SECAM/YC *(noise reducer - index NR)*	**PMFE-3301 (PMFE-3301NR)**	1	1180,0 (1780,0)	
2. SDI/YUV/RGB/PAL/SECAM/YC => PAL/SECAM/YC *(noise reducer - index NR)*	**PMFE-3302 (PMFE-3302NR)**	2	1250,0 (1850,0)	
3. SDI/PAL/SECAM => SDI/YUV/PAL/SECAM/YC,PAL *(noise reducer - index NR)*	**PMFD-3303 (PMFD-3303NR)**	1	1350,0 (1950,0)	
4. SDI/YUV/RGB/PAL/SECAM/YC => SDI/YUV/PAL/SECAM/YC,PAL *(noise reducer - index NR)*	**PMFD-3304 (PMFD-3304NR)**	2	1450,0 (2050,0)	
5. SDI/PAL/SECAM => SDI/YUV,PAL *(noise reducer – index NR)*	**PMFD-3311 (PMFD-3311NR)**	1	1180,0 (1780,0)	
6. SDI/YUV/RGB/PAL/SECAM/YC => SDI/YUV,PAL *(noise reducer - index NR)*	**PMFD-3312 (PMFD-3312NR)**	2	1250,0 (1850,0)	
PAL/SECAM transcoders				
ADC - 10 bits; DAC - 12 bits, adaptive comb filter. VBI contents pass-through. Built-in VITS and color bar generators.				
1. PAL/SECAM => SECAM/PAL transcoder	**PMFE-3301M**	1	695,0	
MPEG4 (H.264/AVC)encoders, MPEG2→MPEG4 transcoders				
Transcoding the DVB-ASI MPEG2 into DVB-ASI MPEG4 (H.264/AVC) with ASI and Ethernet 100Base-T interfaces. In the ENCODING mode devices accept PAL/SECAM/NTSC, HD/SD SDI video (1080i/50-59.9; 720p/50-59.9; 576i/50; 480i/59.9**), analog/AES/SDIembedded stereo audio input to process according to MPEG4 (H264/AVC) High Profile Level 4,0 (HD SDI) and MPEG4 (H264/AVC) High Profile Level 3,0 (SD SDI) and MPEG1 Layer II audio specifications. A one-program transport stream is provided at DVB-ASI and Ethernet 100 BaseT (MPEG-over-IP) interfaces.** **In the TRANSCODING mode devices accept a multi-program MPEG2 DVB-ASI stream. One program is MPEG2→MPEG4 transcoded with re-multiplexed stream made available at DVB-ASI and Ethernet (MPEG-over-IP) interfaces.** **Devices may be daisy-chained via DVB-ASI/IP input.** **The video/audio bitrates:** • **for SD video – up to 10Mbps MPEG4 (H264/AVC) High Profile Level 3,0** • **for HD video – up to 20Mbps MPEG4 (H264/AVC) High Profile Level 4,0** • **for audio – up to 384kbps MPEG1 Layer II** **The WST Teletext/Subtitles supported:** • **from analog input video signals** • **from SD SDI as quasi-analog waveform in active Y-samples of VBI lines** • **from HD SDI ancillary data (**Rec. SMPTE-2031**)** **IP output: RTP+FEC (**any combinations of L and D parameters**), RTP, UDP. Unicast and multicast support, IGMPv2, presettable TTL, QoS support.** **Built-in web-server. GPO diagnostics. Audio level adjustments.** **Up to 8 devices fit into a 3U "PROFLEX" rack.**				
1. Professional MPEG4 (H.264/AVC) encoder, MPEG2→MPEG4 (H.264/AVC) transcoder. *HD/SD SDI, PAL/SECAM, DVB-ASI, IP video inputs, analog/AES audio inputs. DVB-ASI/IP (FEC COP3), HDMI outputs.*	**PMPE-3630**	2	3900,0	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

Description	Designation code	Rack slots occupied	Price	Notes
Encoders				
PENC-3005: PAL/SECAM: 10 bits, REF – PAL/SECAM, H/2; outputs: PAL/SECAM – two or S-VHS – one; SNR >63dB. PENC-3338: automatic cable _alendar__on. Reclocked SDI output. EDH packets and embedded audio presence indication. EDH status (min/hour) display. SDI signal loss indication. Deembeddable audio group selection (for bargraph OSD). dBu/dBFS audio level scale selection. Monitor SDI output with the bargraph audio level meter OSD. Monitor PAL/YC/YprPb/RGB output with audio level meter OSD.				
1. D1=> PAL/SECAM encoder	**PENC-3005**	1	1212,0	
2. SDI => PAL/YC/YUV/RGB/SDI monitoring encoder	**PENC-3338**	1	698,0	
Analog to digital and digital to analog converters – ADC, DAC				
Antialias filters and SDI signal parameters comply with ITU Rec. 601 and 656. EDH insertion.				
1. YUV/RGB=>D1 analog to digital converter	**PADC-3015M**	2	960,0	
2. D1=>YUV/RGB, PAL digital to analog converter	**PDAC-3016**	1	840,0	
3. PAL/SECAM=>SD SDI encoder	**PEMB-3305V**	1	1050,0	
HDMI converters				
1. HDMI=>SDI converter *(two selectable HDMI inputs, two SDI outputs, HDMI monitor output with 8-ch audio level meter OSD)*	**PMIS-7302**	1	690,0	
2. SDI=>HDMI converter *(one SDI input, one HDMI output, HDMI monitor output with 8-ch audio level meter OSD)*	**PSMI-7322**	1	690,0	
HD/SD SDIembedded synchronizers				
Audio delay equals to the video delay, 4-channel audio volume level meter OSD at PAL monitor output (SDIembedded, PDFE-3307, -3308, -3309) or HDMI (PDFE-7307, -7308, 7309). Manual override of audio delay.				
1. SD SDI=>SD SDI synchronizer with embedded audio support (*PAL monitor output*)	**PDFE-3307**	1	1480,0	***)** AA – 2 analog stereo pairs *or* AE – 1 analog stereo pair and 1 AES channel *or* EE – 2 AES channels
2. SD SDI=>SD SDI synchronizer with embedded audio support, auxiliary audio output *(PAL monitor output)*	**PDFE-3308 AA/AE/EE *)**	2	1680,0	
3. SD SDI=>SD SDI synchronizer with embedded audio support, auxiliary audio input *(PAL monitor output)*	**PDFE-3309 AA/AE/EE *)**	2	1680,0	
4. HD/SD SDIembedded synchronizer with HDMI auxiliary output	**PDFE-7307**	1	2100,0	
5. HD/SD SDIembedded synchronizer with audio and HDMI auxiliary outputs	**PDFE-7308 AA/AE/EE *)**	1	2500,0	
6. HD/SD SDIembedded synchronizer with audio input and HDMI auxiliary output	**PDFE-7309 AA/AE/EE *)**	1	2500,0	
SD SDIembedded, PAL/SECAM synchronizers with standard conversion capability				
1. PAL/SECAM SD SDI=>SD SDI synchronizer with embedded audio support, auxiliary audio input *(PAL monitor output)*	**PFSE-3384 AA/AE/EE**	2	1780,0	***)** AA – 2 analog stereo pairs *or* AE – 1 analog stereo pair and 1 AES channel *or* EE – 2 AES channels
2. PAL/SECAM SD SDI=>SD SDI synchronizer with embedded audio support *(PAL monitor output)*	**PFSE-3384V**	1	1550,0	
3. SD SDI=>PAL/SECAM/NTSC/SD SDI synchronizer/standard converter *(without frame rate conversion)*	**PDRC-3345-8 AA/AE/EE**	2	2200,0	

PROFLEX modular system

Description	Designation code	Rack slots occupied	Price	Notes
3G/HD/SD SDI crossconverters with ARC				
PHDC-7301: **•3G/HD/SD SDI cross-converters support all 20 standard aspect ratios including the high and standard definition TV. Any combination of input and output aspect ratio is available. Output signal may be synchronized to a REF (**provided the REF and the output signals' standards are same**). SDIembedded audio support with "audio delay follows video" capability". Built-in noise reduction unit. Aspect rate conversion (with or without the simultaneous standard conversion) or Scaling with the preset and user-configurable (provided by request) modes. WSS support.** **PDRC-7344-8xx:** **•HD SDI down-converters (**without the frame rate conversion, i.e., 1080i/50 or 720p/50 → 625i/50, 1080i/59,94 or 720p/59,94 → 525i/59,94 respectively**). Built-in frame synchronizer. 8-channel audio deembedder (**AES or analog**). PAL monitor output with audio level bargraph OSD. ARC or Scaling modes. Audio level adjustments.**				
1. 3G/HD/SD SDIembedded crossconverter with ARC	**PHDC-7301**	1	3700,0	
2. HD/SD SDI=>PAL/SECAM/NTSC/SD SDI down-converter *(without frame rate conversion)*	**PDRC-7344-8** **AA/AE/EE**	2	2600,0	***)** AA – 2 analog stereo pairs *or* AE – 1 analog stereo pair and 1 AES channel *or* EE – 2 AES channels
Master SPGs				
Referenced and free-run (up to $1 \cdot 10^{-6}$ accuracy) modes. PAL, SECAM, SDI output signals – black-burst video, HDTV trilevel sync pulse (PFSG-7317). Optional LTC output (PFSG-3317-1). Built-in colorbar generator.				
*1.*Synchrogenerator *(REF input; five user-configurable outputs:* *•Up to five PAL/SECAM black-burst outputs,* *•Up to four SDI outputs,* *•Combination of PALblack-burst/SECAM/SDI outputs)*	**PFSG-3317**	1	750,0	
*1.*Synchrogenerator *(pass-through REF input; five user-configurable outputs:* *•Up to five PAL/SECAM black-burst outputs,* *•Up to four SDI outputs,* *•Combination of PALblack-burst/SECAM/SDI outputs* *•balanced LTC output,* *•unbalanced LTC output,* *•RS-232 orEthernet / model index "E"/ for clock-calender synchronization*	**PFSG-3317-1** **(PFSG-3317-1E)**	2	950,0 (1050,0)	*PFSG-3317-1*: system time/date presettable from it's frontal panel or a PC
*1.*SD and HDTV synchrogenerators *(pass-through REF input, four user-configurable outputs either of:* *•four outputs of HDTV trilevel sync pulse (18 standards* *•four PAL black-burst outputs* *•two outputs of HDTV trilevel sync pulse (TLS) and two PAL black-burst outputs*	**PFSG-7317**	1	1200,0	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

Description	Designation code	Rack slots occupied	Price	Notes
SDI/ASI/HDSDI distribution amplifiers				
Cable equalization, reclocking. Automatic standard detection (SDI/ASI). EDH status (min/hour) indication for SDI and CRC for ASI signal. SDI/ASI signal loss and ASI polarity indication. **PAL/NTSC monitor output and 525/60 standard indication for SDI signal (*PDVA-3347*). Relay bypass to the first output on power down.**				
1. SDI/ASI 1x4 distribution amplifier	**PDVA-3347-4**	1	390,0	
2. SDI 1x8 distribution amplifier	**PDVA-3347-8**	2	460,0	
3. HDSDI/SDI/ASI 1x4 distribution amplifier	**PDVA-7337**	1	740,0	
4. HD/SD/SDI 1x10 distribution amplifier	**PDVA-7337-10**	2	840,0	
5. HD/SD/SDI/ASI 1x4 distribution amplifier with HDMI auxiliary output	**PDVA-7338-4**	1	870,0	
6. HD/SD/SDI/ASI 1x8 distribution amplifier with HDMI auxiliary output (*four ASI outputs, four inverted ASI outputs*)	**PDVA-7338-8**	2	950,0	
7. HD/SD/SDI/ASI 1x5 distribution amplifier	**PDVA-7340-5**	1	340,0	
8. HD/SD/SDI/ASI 1x10 distribution amplifier (*five ASI outputs, five inverted ASI outputs*)	**PDVA-7340-10**	2	380,0	
3G/HD/SD SDI/ASI/TELECOM distribution amplifiers				
Cable equalization, reclocking. Automatic bitrate detection. BER monitoring. Relay bypass to the first output on power down.				
1. 3G/HD/SD SDI/ASI/Telecom 1x4 distribution amplifiers	**PDVA-7339-4**	1	840,0	
2. 3G/HD/SD SDI/ASI/Telecom 1x8 distribution amplifiers (*four ASI outputs, four inverted ASI outputs*)	**PDVA-7339-8**	2	920,0	
Analog video distribution amplifiers, cable equalizers, video and audio changeovers				
Balanced input with common mode noise suppression. DC restore option – model index "D". Relay bypass on power down. Cable equalizer, up to 200meters, GAIN and EQ settings. Automatic and manual (local and remote – by GPI commands) video changeover controls. The changeover is timed to the VBI to provide a glitch-free switching (for synchronized signals). Input signal lost/present status indication. The "audio follows video" capability. DB-25 audio connectors for balanced stereo signals.				
Distribution amplifiers				**The "*B*" index denotes the DC-restore option.** *** the price shown for the "-*B*" indexed modification**
1. video 1x5 distribution amplifier	**PPVD-3361-5 (B)**	1	140,0 (190,0)*	
2. video 1x11 distribution amplifier	**PPVD-3361-11 (B)**	2	170,0 (220,0)*	
Distribution amplifiers with cable equalizer				
3. video 1x5 distribution amplifiers with cable equalizer	**PPVD-3361-5C1 (B)**	1	180,0 (230,0)*	
4. video 1x11 distribution amplifiers with cable equalizer	**PPVD-3361-11C1 (B)**	2	210,0 (270,0)*	
Video changeovers				
5. videochangeover	**PPVD-3361-2 (B)**	1	230,0 (280,0)*	
6. videochangeover with cable equalizer on the main video input	**PPVD-3361-2C1(B)**	1	270,0 (320,0)*	
Video and audio changeovers				
7. video- audiochangeover	**PPVD-3361A-2(B)**	2	250,0 (300,0)*	
8. video- audiochangeover with cable equalizer on the main video input	**PPVD-3361A-2C1 (B)**	2	290,0 (340,0)*	

PROFLEX modular system

Description	Designation code	Rack slots occupied	Price	Notes
Analog audio STEREO/MONO distribution amplifiers				
Balanced inputs and outputs. Capability of the single-ended iput and output connection. Frontal panel accessible gain correction for the single-ended (unbalanced) connection. Per-channel gain presets in the ±12dB range with 0,5dB increments. Signal presence indication and correlometer. User-selectable input impedance: 600 Ohm/High-Z. Relay bypass.				
1. stereo audio 1x3 distribution amplifier (*clamp-on connectors*)	**PPAD-3362-3K**	2	330,0	
2. stereo audio 1x3 distribution amplifier (*DB-25 connectors*)	**PPAD-3362-3D**	1	310,0	
3. dual-mono audio 1x5 distribution amplifier (*DB-37 connectors*)	**PPAD-3362-5D**	1	360,0	
4. mono audio 1x7 distribution amplifier (*clamp-on connectors*)	**PPAD-3362-7K**	2	270,0	
5. mono audio 1x7 distribution amplifier (*DB-25 connectors*)	**PPAD-3362-7D**	1	250,0	
6. mono audio 1x3 distribution amplifier (*XLR connectors*)	**PPAD-3362-3X**	2	260,0	
SDI/ASI/HDSDI and audio- changeovers				
Automatic changeover mode with manual override. Programmable changeover delay. Automatic or manual changeback. GPI inputs and outputs. Automatic standard selection: HD/SD SDI, ASI. EDH status indication. CRC error indication for ASI. Signal loss indication. Monitor output for the MAIN and STDBY lines. PAL/NTSC monitor output for SDI input signals. Latching dryreed relays for the program lines, electronic switch for monitor output. Two optional balanced (PCOV-3326-1) or unbalanced (PCOV-3326-2) audio stereo channels. Changeover criterions: SDI – EDH/CRC errors, synchro loss, embedded audio loss; ASI – loss of SMPTE synchro.				
1. SD SDI/ASI changeover	**PCOV-3326**	1	980,0	
2. SD SDI/ASI changeover (*with two auxiliary unbalanced channels support*)	**PCOV-3326-1**	2	1080,0	
3. SD SDI/ASI changeover (*with two auxiliary balanced stereo audio channels support*)	**PCOV-3326-2**	2	1080,0	
4. HD/SD SDI/ASI changeover	**PCOV-7326**	1	1500,0	
5. HD/SD SDI/ASI changeover (*with two auxiliary unbalanced channels support*)	**PCOV-7326-1**	2	1600,0	
6. HD/SD SDI/ASI changeover (*with two auxiliary balanced stereo audio channels support*)	**PCOV-7326-2**	2	1600,0	
HD/SD SDI electronic 2x1 switchers with synchronizer and changeover capability				
Electronic 2x1 switchers select one of the two inputs. The switching action occurs on an input signal loss and recovery. The synchronizer on the second input is being led by the signal on the main input provides a glitch-free switching. Local and remote control (Ethernet and GPIO). Relay bypass on the main input for power-down condition.				
1.HD/SD SDI electronic 2x1 switcher with synchronizer and changeover capability.	**PPVS-7021**	1	1510,0	
2.HD/SD SDI electronic 2x1 switcher with synchronizer and changeover capability, GPIO.	**PPVS-7021G**	1	1560,0	
HD/SD SDI emergency public announcement systems				
Remote-controlled insertion of HD/SD SDI video and/or audio emergency public announcements. Synchroniser on the inserted signal input by the program input. Glitch-free switching. Local and remote control (Ethernet and GPIO). Relay bypass on the main input.				
1.HD/SD SDI emergency public announcement inserter with synchroniser	**PEMC-7020**	1	1510,0	
2.HD/SD SDI emergency public announcement inserter with synchronizer, GPIO	**PEMC-7020G**	2	1560,0	
Audio level bargraph OSD				
Four balanced/unbalanced inputs. Peak or RMS meter modes. Quasi-peak or EBU scales. 0dB or +6dB reference level. Video inputs: composite (PAL/SECAM) or component (Y,R-Y,B-Y). Video outputs: PAL with four-channel audio level bargraph OSD.				
*1.*audio level meter with bargraph OSD *(inputs: PAL/SECAM, YUV video, 4-channel analog audio, output: PAL)*	**PIND-3112**	1	640,0	***For SDI output option, please refer to*** PENC-3338
VITS generators and inserters				
GOST 18471-83 compliant VITS generator-inserter for SECAM and PAL signals. One input and three PAL/SECAM outputs, relay bypass. Full-field test signal capability.				
1. VITS generator-inserter	**PGTS-3332**	1	520,0	
2. SDI test signals generator-inserter	**PGTS-3333**	1	850,0	
WST (teletext and subtitles) inserters				
PAL/SECAM input signal is analyzed for WST teletext and subtitles packets. The packets are inserted into a pass-thorough SD SDI signal (PAL/SECAM and SDI video must be synchronous**). PAL monitor output. Relay bypass on SD SDI output.**				
1. SD SDI teletext inserter	**PTTX-3331**	1	800,0	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

Description	Designation code	Rack slots occupied	Price	Notes
A/B SDI and audio switchers				
Timebase correctors on both inputs. X-Mix, V-Mix and CUT transitions with presettable rate. FADE TO BLACK effect. PAL/SECAM/SDI and stereo audio program outputs. Audio level meter bargraph (for SDIembedded and input sources) OSD on the PAL PREVIEW output. An "AA" option with two auxiliary audio inputs. Interoperation with an SDI/audio switcher of any capacity for glitch-free program transitions. No video/audio delay. GPI-controllable (2 inputs, 2 outputs) or full remote control via rack's CPU.				
1. A/B SDI switcher	**PCSW-3339**	2	1600,0	
2. A/B SDI and stereo audio switcher	**PCSW-3339AA**	2	1900,0	
3. GPI/RS-232 control panel *(2 GPI; camp-on and RJ45 connectors)*	**PGPI-4054D-2**		236,0	
4. GPI/RS-232 control panel *(3 GPI; camp-on and RJ45 connectors)*	**PGPI-4054D-3**		254,0	
Multistandard logo generators, inserters, titlers				
Two layers of static, dynamic, text and scrolling text logos (up to four non-overlaping logos per layer, scrolling text requires two placeholders**). Full screen logo with MP3 audio jingle capability. 64Mb DDR and up to 32Gb SD memory capacity. Data loadable over Ethernet and mini-USB ports. TARGA, TIFF, 32bits per pixel with α supported. Locally controlled by GPI. Meteostation (PMM-4095E) and time/calendar (PTT-4096) as data sources for text logos via Ethernet. Schedule-controlled or live playback of the preloaded scrolling texts under IBM PC control. Scene layout play-list capability. CUT,MIX,WIPE logo transitions. Logo insertion into a program signal (PNLG-7321). FILL and KEY signal generation (PNLG-7329).** **HDMI monitor output. Relay bypass.** **Standards supported:** •**SMPTE 259M (SD SDI):** 625i/50, 525i/59,94 •**SMPTE 292M (HD SDI):** 1080i/50, 1080i/59,94, 1080i/60, 1080p/23,98, 1080p/24, 1080p/25, 1080p/29,97, 1080p/30, 720p/50, 720p/59,94, 720p/60 •**SMPTE 424M (3G Level A 4:2:2):** 1080p/50, 1080p/59,94, 1080p/60				
1. HD/SD SDI logo generator-inserter	**PNLG-7321**	1	2490,0	Software package is included
2. 3G/HD/SD SDI logo generator (*FILL and KEY outputs*)	**PNLG-7329**	2	2490,0	
SD SDI/PAL/SECAM multistandard logo generators, inserters, titlers				
720-by-576 pixels, 16M color palette. Separate α-channel. Graphical and text logos are manageable via Ethernet and RS-232. Schedule-controlled operation or "live" under a PC (MS Windows) control (*except the "E"-indexed variants***). Up to seven user-definable scenes (each consisting of one graphical and up to four textual logos). Four TV frames of non-volatile memory. No CPU in a rack is required for logo uploading. Locally controlled by GPI. Meteostation (PMM-4095E) and time/calendar (PTT-4096) as data sources for text logos via RS-485 (a rack CPU is required). PAL/SECAM/YUV/RGB/SDI/YC video input signals. User-controllable synchronizer. PAL Preview output. Relay bypass on power down.**				
1. logo generator-inserter with synchronizer (*outputs: PAL/SECAM/YC*)	**PNLG-3321(E)**	2	1530,0 (1730,0)	
2. logo generator-inserter with synchronizer (*outputs: SDI/YUV*)	**PNLG-3322(E)**	2	1630,0 (1830,0)	
3. logo generator-inserter with synchronizer (*outputs: SDI/YUV/PAL/SEC/YC*)	**PNLG-3324(E)**	2	1830,0 (1930,0)	
HD/SD SDI keyers				
Downstream (DSK) keying of logos, titles, special effects on a background image. The BKGD IN, FILL IN and KEY IN inputs accept HD/SD SDI signals: 625i/50; 525i/59.94; 1080i/60; 1080i/59.94; 1080i/50; 1080p/30; 1080p/29.97; 1080p/25; 1080p/24; 1080p/23,98; 720p/60; 720p/59.94; 720p/50. The BKGD, FILL and KEY inputs are auto-timed within one TV line (PKSD-7346 – independently for each channel). The built-in synchronizer is referenced by input signals. Capability to control the switching by GPI commands. TALLY GPO. VBI contents and audio data pass-through for BKGD IN signal. User-programmable switching rate. Input signals are routable to the output. Relay bypass.				
1. HD/SD SDI keyer	**PKSD-7336**	1	2380,0	
2. HD/SD SDI 4-channel keyer	**PKSD-7346**	2	4500,0	
HD/SD SDIembedded automatic loudness control with audio level OSD				
One HD/SD SDIembedded input, two HD/SD SDI outputs and HDMI monitor output. Relay bypass on power-down condition. Eight audion channels (any two audio groups) processed. Output level adjusted in -12~+12dB range with 0,5dB steps. Automatic Loudness Control (ALC) to the user-selected reference level. Target loudness in the -30...-18 LUFS range. Three presets for loudness processing: Light, Normal и Aggressive. Audio spikes suppression (Limiter). ITU-R BS. 1770-3 compliance. HDMI monitor output with audio level OSD.				
1.HD/SD SDIembedded automatic loudness control with audio level OSD	**PALC-7357**	1	2200,0	
Analog/AES audio automatic loudness control				
Four channels (two stereo pair or two AES/EBU signals), 24-bits resolution. 32kHz~192kHz sampling rates. Balanced (110 Ohm)/unbalanced (75Ohm) inputs. Automatic Loudness Control (ALC) to the user-selected reference level. Target loudness in the -30...-18 LUFS range. Four normalization presets: LIGHT, NORMAL, AGGRESSIVE, and SMART. ITU-R BS.1770-3 compliance. Built-in test signal generator. Optional input attenuator for +24dB maximum input signals. Up to 5 seconds audio delay of each stereo pair (at 48kHz sampling rate). GPI inputs.				
1.Loudness normalizer (*two balanced analog inputs, two balanced analog outputs, DB-26 connector*)	**PADL-7111**	1	1780,0	
2.Loudness normalizer with analog to AES converter (*two balanced analog inputs, two balanced digital outputs, DB-26 connector, two BNC digital outputs*)	**PAAD-7112**	1	1630,0	auto synchronization
	PAAD-7112V	1	1760,0	sync to video
	PAAD-7112A	1	1740,0	AES sync
3.Loudness normalizer with AES to analog converter (*two balanced analog inputs, two balanced digital outputs, DB-26 connector, two BNC digital outputs*)	**PADA-7114**	1	1840,0	

Description	Designation code	Rack slots occupied	Price	Notes
Multichannel audio converters with delay line capability				
Four channels (two stereo pair or two AES/EBU signals), 24-bits resolution. 32kHz~192kHz sampling rates. Balanced (110 Ohm)/unbalanced (75Ohm) inputs. Built-in test signal generator. Optional input attenuator for +24dB maximum input signals. Up to 5 seconds audio delay of each stereo pair (at 48kHz sampling rate). User-controllable output level: -12dB~+12dB in 0.5dB increments. GPI inputs.				
1.two-channel analog audio delay line (*two balanced analog inputs, two balanced analog outputs, DB-26 connector*)	**PADL-7101**	1	1080,0	
2.audio ADC with delay line capability (*two balanced analog inputs, two balanced AES outputs, DB-26 connector, two BNC AES outputs*)	**PAAD-7102**	1	930,0	
	PAAD-7102V	1	1060,0	
	PAAD-7102A	1	1040,0	
3.audio DAC with delay line capability (*two balanced/unbalanced AES inputs, DB-26/BNC connectors, two analog audio outputs, DB-26 connector*)	**PADA-7104**	1	1140,0	
Audio ADC, DAC, delay lines				
Two-channel (stereopair) 24-bits convertion. AES/EBU output standard with 32kHz, 44.1kHz, 48kHz and 96kHz sampling rates. Built-in test-signal generator. Analog input overload protection by presettable attennuator. Optional +6dB level on audio output. Manually presettable audio delay - up to 1.3sec at 48kHz sampling rate. Presettable audio level at digital and analog outputs, from -12dB to +12dB with 0.5dB steps.				
1. analog audio delay line • one balanced stereo input, two balanced stereo outputs (DB-25 connector)	**PADL-3101**	1	852,0	
2. audio ADC with a delay line: • one balanced stereo input (DB-25), • two balanced AES outputs (DB-25, 110 Ohm), • two unbalanced AES outputs (BNC, 75 Ohm)				
– autonomous synchronization	**PAAD-3102**	1	744,0	
Or				
– by video signal *(BNC, 75 Ohm)*	**PAAD-3102V**	1	864,0	
Or				
– by external AES, balanced/unbalanced *(DB-25, 110 Ohm / BNC, 75 Ohm)*;	**PAAD-3102A**	1	864,0	
3. AES audio delay line: • one balanced / unbalanced input *(DB-25, 110 Ohm / BNC, 75 Ohm)*, • two balanced outputs *(DB-25, 110 Ohm)*, • two unbalanced outputs *(BNC, 75 Ohm)*	**PADL-3103**	1	624,0	
4. audio DAC with a delay line: • one balanced / unbalanced AES input *(DB-25, 110 Ohm / BNC, 75 Ohm)*, • two balanced stereo outputs *(DB-25, 110 Ohm)*	**PADA-3104**	1	744,0	
Multichannel audio ADC, DAC, delay lines, with optional ALC capability				
Four audio channels: two stereo pairs or two AES/EBU signals, 24 bits, 32~192kHz, balanced (110 Ohms) or unbalanced (75 Ohms) digital inputs. Built-in test tone generator. User-selectable attenuator on analog input allows for +24dB maximum input level. User-selectable audio delay up to 10sec at 48kHz sampling. User-selectable output level (–12dB~+12dB with 0.5dB increments) on digital and analog outputs. User-selectable +6dB gain to obtain +24dB output level.				
1. analog audio delay line (ALC option) •two balanced stereo inputs, two balanced stereo outputs (DB-25 connector)	**PADL-7101 (ALC)**	1	1080,0 (1780,0)	
2. audio ADC with a delay line (ALC option): • two balanced stereo inputs (DB-25), • two balanced AES outputs (DB-25, 110 Ohm), • two unbalanced AES outputs (BNC, 75 Ohm)				
- autonomous synchronization	**PAAD-7102 (ALC)**	1	930,0 (1630,0)	
- by video signal *(BNC, 75 Ohm)*	**PAAD-7102V (ALC)**	1	1060,0 (1760,0)	
- by external AES, balanced/unbalanced *(DB-25, 110 Ohm / BNC, 75 Ohm)*;	**PAAD-7102A (ALC)**	1	1040,0 (1740,0)	
3. audio DAC with a delay line: • one balanced / unbalanced AES input *(DB-25, 110 Ohm / BNC, 75 Ohm)*, • two balanced stereo outputs *(DB-25, 110 Ohm)*	**PADA-7104 (ALC)**	1	1140,0 (1840,0)	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

Description	Designation code	Rack slots occupied	Price	Notes
AES/EBU audio distribution amplifiers				
Balanced or unbalanced (coaxial) inputs and outputs. 24 bits and 32~96kHz sampling rates supported. Controllable output audio level +12dB with 0,5dB steps. Headphone monitor output (JACK 6,3mm connector), –50dB ~ +6dB level. Channel status check. Relay bypass.				
1. AES/EBU audio **1x5** distribution amplifier • one unbalanced input *(BNC, 75 Ohm)* • five unbalanced outputs *(BNC, 75 Ohm)*	**PDDA-3106-5**	1	276,0	
2. AES/EBU audio **1x11** distribution amplifier • one unbalanced input *(BNC, 75 Ohm)* • eleven unbalanced outputs *(BNC, 75 Ohm)*	**PDDA-3106-11**	2	294,0	
3. AES/EBU audio **1x7** distribution amplifier • one balanced input *(DB-25, 110 Ohm)* • seven balanced outputs *(DB-25, 110 Ohm)*	**PDDA-3106-7DB**	1	354,0	
4. AES/EBU audio **1x9** distribution amplifier universal • one balanced input *(DB-25, 110 Ohm)* • one unbalanced input *(BNC, 75 Ohm)* • seven balanced outputs *(DB-25, 110 Ohm)* • two unbalanced outputs *(BNC, 75 Ohm)*	**PDDA-3106-9UB**	1	396,0	
5. AES/EBU audio **1x3** distribution amplifier • one balanced input *(XLR, 110 Ohm)* • three balanced outputs *(XLR, 110 Ohm)*	**PDDA-3106-3XB**	2	354,0	
AES/EBU audiochangeovers				
Automatic changeover mode with manual override, local and remote controllable. Programmable changeover delay and criterions. Latching dryreed relays for the program lines. Errors counter indication. Monitor output for the MAIN line.				
1. AES/EBU audiochangeover *(balanced inputs/outputs)*	**PCOA-3105**	1	490,0	
2. AES/EBU audiochangeover *(unbalanced inputs/outputs)*	**PCOA-3105-1**	1	490,0	

PROFLEX modular system

Description	Designation code	Rack slots occupied	Price	Notes
HD/SD SDI audio embedders				
Four channels of analog or AES/EBU digital audio, synchronized or unsynchronized to a video, with 32kHz, 44,1kHz, 48kHz and 96kHz sampling rates. 24-bits audio ADC. PAL or HDMI monitor output with 4-channel bargraph audio level OSD. Different audio formats on different inputs permitted. Presettable input attenuator. Balanced analog audio inputs, balanced or unbalanced digital inputs.				
Video format: HD/SD SDI input; HD/SD SDI output				**1080i/50, 720p/50, 625i/50 compliance**
1. four-channel analog SDI embedders	**PEMB-3108AA**	1	1320,0	
2. two-channel analog/one-channel AES/EBU SDI embedders	**PEMB-3108AE**	1	1350,0	
3. two-channel AES/EBU SDI embedders	**PEMB-3108EE**	1	1350,0	
4. four-channel analog SD/HD SDI embedders with HDMI monitor output	**PEMB-7108AA**	1	1850,0	
5. two-channel analog/one-channel AES/EBU SD/HD SDI embedders with HDMI monitor output	**PEMB-7108AE**	1	1850,0	
6. two-channel AES/EBU SD/HD SDI embedders with HDMI monitor output	**PEMB-7108EE**	1	1850,0	
Video format: PAL/SECAM/SDI input, SDI output				
1. four-channel analog SDI embedders with PAL/SECAM/SDI=>SDI convertion - one SDI output - three SDI outputs	 **PEMB-3305AA** **PEMB-3305AA-3**	 1 2	 1600,0 1680,0	
2. two-channel analog/one-channel AES/EBU SDI embedders with PAL/SECAM/SDI=>SDI convertion - one SDI output - three SDI output	 **PEMB-3305AE** **PEMB-3305AE-3**	 1 2	 1600,0 1680,0	
3. two-channel AES/EBU SDI embedders with PAL/SECAM/SDI=>SDI convertion - one SDI output - three SDI output	 **PEMB-3305EE** **PEMB-3305EE-3**	 1 2	 1600,0 1680,0	
4. eight-channel analog SDI embedders with PAL/SECAM/SDI=>SDI convertion	**PEMB-3305-8AA**	1	1890,0	
5. four-channel analog/two-channel AES/EBU SDI embedders with PAL/SECAM/SDI=>SDI convertion	**PEMB-3305-8AE**	1	1890,0	
6. four-channel AES/EBU SDI embedders with PAL/SECAM/SDI=>SDI convertion	**PEMB-3305-8EE**	1	1890,0	
HD/SD SDI audio deembedders				
Four channels of analog or AES/EBU digital audio. 24-bits audio DAC. Monitor output with 4-channel bargraph audio level OSD (PAL for PEXT-3xxx, HDMI for PEXT-7xxx). Different audio formats on different outputs permitted. Balanced analog audio outputs, balanced or unbalanced digital outputs.				
Video format: HD/SD SDI input; HD/SD SDI output				**1080i/50, 720p/50, 625i/50 compliance**
1. four-channel analog SDI deembedders	**PEXT-3118AA**	1	1034,0	
2. two-channel analog/one-channel AES/EBU SDI deembedders	**PEXT-3118AE**	1	1084,0	
3. two-channel AES/EBU SDI deembedders	**PEXT-3118EE**	1	1084,0	
4. four-channel analog SD/HD SDI deembedders with HDMI monitor output	**PEXT-7118AA**	1	1890,0	
5. two-channel analog/one-channel AES/EBU SD/HD SDI deembedders with HDMI monitor output	**PEXT-7118AE**	1	1890,0	
6. two-channel AES/EBU SD/HD SDI deembedders with HDMI monitor output	**PEXT-7118EE**	1	1890,0	
Video format: SDI input, PAL/SECAM/SDI output				
1. four-channel analog SDI deembedders with SDI=>PAL/SECAM/SDI convertion	**PEXT-3325AA**	1	1686,0	
2. two-channel analog/one-channel AES/EBU SDI deembedders with SDI=>PAL/SECAM/SDI convertion	**PEXT-3325AE**	1	1718,0	
3. two-channel AES/EBU SDI deembedders with SDI=>PAL/SECAM/SDI convertion	**PEXT-3325EE**	1	1718,0	
4. eight-channel analog SDI deembedders with SDI=>PAL/SECAM/SDI convertion	**PEXT-3325-8AA**	1	1830,0	
5. four-channel analog/two-channel AES/EBU SDI deembedders with SDI=>PAL/SECAM/SDI convertion	**PEXT-3325-8AE**	1	1830,0	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

6. four-channel AES/EBU SDI deembedders with SDI=>PAL/SECAM/SDI convertion	**PEXT-3325-8EE**	1	1830,0	
SDH (STM1) compliant optimising DVB-ASI transport stream multiplexer				
STM1 compliant optimising DVB-ASI transport stream multiplexers support up to four input streams and are also capable of packing of one unidirectional RS-422 and up to sixteen GPI signals into an STM1 (155Mbps) stream. Optical and electrical STM1 inputs/outputs. The output STM1 stream is SDH network compatible. The "payload only" optimization algorithm. The totals amount of the payload in all the four input streams should not exceed the 130Mbps limit. The main and stand-by inputs and outputs, monitor output (PMTS-3401, PDTS-3410, PDTS-3410E), 2,048MHz sync input. LC type optical connectors (SFP modules). 0~3dBm output optical power, -3~-26dBm (*-9~-32dBm for "A" indexed models*) input optical power.				
1. four-channel STM1 compliant optimising DVB-ASI transport stream multiplexer (*with optical MAIN and STDBY outputs*)	**PMTS-3401(CW##)***	2	4000,0 (4600,0)	*** CW## – CWDM module index, ##** – CWDM wavelength
2. four-channel STM1 compliant optimising DVB-ASI transport stream multiplexer (*with optical output*)	**PMTS-3401S(CW##)***	1	3500,0 (4100,0)	
3. four-channel STM1 compliant optimising DVB-ASI transport stream multiplexer (*with optical MAIN and STDBY outputs*)	**PDTS-3410 (PDTS-3410A)**	2	3900,0 (4320,0)	
4. four-channel STM1 compliant optimising DVB-ASI transport stream multiplexer (*with electrical MAIN and STDBY outputs*)	**PDTS-3410E**	2	3500,0	
5. four-channel STM1 compliant optimising DVB-ASI transport stream multiplexer (*with electrical input*)	**PDTS-3410SE**	1	2800,0	
6. STM1 compliant optimising DVB-ASI transport stream multiplexer (*with optical input*)	**PDTS-3410S (PDTS-3410SA)**	1	2800,0 (3220,0)	

Description	Designation code	Rack slots occupied	Price	Notes
Optical interfaces: transmitters, receivers, transceivers				
3G/HD/SD SDI, DVB-ASI, Telecom, PAL/SECAM, audio, RS-232/RS-422/GPI data				
SDI stream based optical transmission and reception of video and audio signals of various standards. Capability to obtain a standard conversion at a receiver output (*only for signals of the same definition***), receivers with a built-in standard converter are available. This unification allows for more convenient optical signal regeneration, wavelength conversion, transponding.** **Optical multiplexing compliance:** • **WDM compatibility -two signals (1310/1550nm) over a single fiber;** • **CWDM compatibility - up to sixteen signals over a single fiber;** • **DWDM compatibility - up to 40 channels.** **CWDM devices (-***CW model index***) use the 1270~1610nm band with 20nm increments. DWDM devices (-***DW model index***) use the 1530,33~1561,42nm band with 0,78nm increments.** **DDMI compliant SFP modules to monitor optical power and wavelength. Transmitter input signal loss monitoring and indication with error detection. Remote control and management (***requires the CPU module in a rack***) of optical network status is provided over the TCP/IP.**				
3G/HD/SD SDI/DVB-ASI/Telecom single-channel optical transmitters and receivers				
DDMI-compliant SPF modules with LC connectors. SFP receiver modules with APD ("A" index). **HDMI monitor output with 8-channel audio level meter OSD (*except for DVB-ASI, POTM-7203 and PORC-7223 only*) and 6.3mm audio jack.** **2.5Gbps TELECOM transmission (*POTM-7204 and PORC-7224*).**				
1. 3G/HDSDI/SDI/ASI optical transmitter *(TX:0~3dBm,HDMI monitor with 8-ch VU OSD for SDI input, headphone 6.3mm jack)*	**POTM-7203 (CW##)* (DW#)****	1	1590,0 (1890,0) (3390,0)	
2. 3G/HD/SD SDI/ASI optical receiver (*RX:-24~-3dBm@3Gbps, HDMI aux output, headphone monitor output*)	**PORC-7223**	1	1450,0	
3. 3G/HD/SD SDI/ASI optical receiver (*RX:-28~-9dBm@3Gbps, HDMI aux output, headphone monitor output*)	**PORC-7223A**	1	1750,0	
4. 3G/HD/SD/SDI/ASI/Telecom optical transmitter (*TX:0~3dBm, BER monitoring*)	**POTM-7204 (CW##)* (DW#)****	1	1460,0 (1760,0) (3260,0)	
5. 3G/HD/SD SDI/ASI/Telecom optical receiver (*RX:-24~-3dBm@3Gbps*)	**PORC-7224**	1	1375,0	
6. 3G/HD/SD SDI/ASI/Telecom optical receiver (*RX:-28~-9dBm@3Gbps, bitrate detection, BER monitoring*)	**PORC-7224A**	1	1675,0	
HD/SD SDI, analog/AES audio, unidirectional RS-232 data single-channel optical transmitters and receivers				
DDMI-compliant SPF modules with LC connectors. SFP receiver modules with APD ("A" index). **HDMI monitor output with 8-channel audio level meter OSD. Audio gain adjustments. Audio routing for channel pairs.**				
1. HDSDI/SDI and analog/AES audio optical transmitters with auxiliary HDMI output *(0~3dBm)*	**POTM-7205-4AA/AE/EE (CW##)* (DW#)****	1	2200,0 (2500,0) (4000,0)	
2. HD/SDSDI and analog/AES audio, unidirectional RS-232 data optical receiver with auxiliary HDMI output (*-24~-3dBm*)	**PORC-7225-4 AA/AE/EE**	1	2200,0	
3. HD/SDSDI and analog/AES audio, unidirectional RS-232 data optical receiver with auxiliary HDMI output (*-24~-3dBm*)	**PORC-7225A-4 AA/AE/EE**	1	2500,0	
4. HD/SD SDIembedded with synchronization to REF and auxiliary HDMI output *(-24dBm)*	**PORC-7227**	1	2600,0	
5. HD/SD SDIembedded with synchronization to REF and auxiliary HDMI output *(-29dBm)*	**PORC-7227A**	1	2900,0	
6. HD/SD SDIembedded with synchronization to REF, analog/AES audio output and auxiliary HDMI output *(-24dBm)*	**PORC-7228-4 AA/AE/EE**	2	2800,0	
7. HD/SD SDIembedded with synchronization to REF, analog/AES audio output and auxiliary HDMI output *(-29dBm)*	**PORC-7228A-4 AA/AE/EE**	2	3100,0	
8. HD/SD SDIembedded with synchronization to REF, analog/AES audio input and auxiliary HDMI output *(-24dBm)*	**PORC-7229-4 AA/AE/EE**	2	2800,0	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

Description	Designation code	Rack slots occupied	Price	Notes
9. HD/SD SDIembedded with synchronization to REF, analog/AES audio input and auxiliary HDMI output *(-29dBm)*	**PORC-7229A-4 AA/AE/EE**	2	3100,0	
HD/SD SDI receivers with down-conversion capability				
DDMI-compliant SPF modules with LC connectors. SFP receiver modules with APD ("A" index). **HDMI monitor output with 8-channel audio level meter OSD. Audio gain adjustments. Audio routing for channel pairs.**				
1. HD/SD SDI=>PAL/SECAM/NTSC/SD SDI with synchronization to REF, analog/AES audio and HDMI outputs *(frame rate **not** altered, -24dBm)*	**PORC-7244-8 AA/AE/EE**	2	2800,0	
2. HD/SD SDI=>PAL/SECAM/NTSC/SD SDI with synchronization to REF, analog/AES audio and HDMI outputs *(frame rate **not** altered, -29dBm)*	**PORC-7244A-8 AA/AE/EE**	2	3100,0	
HDMI optical transmitters and receivers				
DDMI-compliant SPF modules with LC connectors. SFP receiver modules with APD ("A" index). **PAL monitor output with 4-channel audio level meter OSD (***except DVB-ASI***).**				
1. HDMI optical transmitter (*2 HDMI inputs with selector, -3~0dBm output power, 2 SDI outputs, HDMI monitor output with 8-ch audio level meter OSD*)	**POTM-7202** **(CW##)*** **(DW#)****	1	990,0 (1290,0) (2790,0)	
2. HDMI optical receiver (*-24~-3dBm sensitivity, 1 HDMI output, 2 SDI outputs, HDMI monitor output with 8-ch audio level meter OSD*)	**PORC-7222**	1	890,0	
3. HDMI optical receiver (*-28~-9dBm sensitivity, 1 HDMI output, 2 SDI outputs, HDMI monitor output with 8-ch audio level meter OSD*)	**PORC-7222A**	1	1190,0	
SD SDI/DVB-ASI single-channel optical transmitters and receivers				
DDMI-compliant SPF modules with LC connectors. SFP receiver modules with APD ("A" index). **PAL monitor output.**				
1. SDI/DVB-ASI and audio optical transmitter *(0~3dBm, PAL monitor for SDI input)*	**POTM-3202SFP** **(CW##)*** **(DW#)****	1	1180,0 (1480,0) (2980,0)	
2. SD SDI/ASI optical receiver *(-26dBm)*	**PORC-3242SFP**	1	1050,0	
3. SD SDI/ASI optical receiver *(-32dBm)*	**PORC-3242SFPA**	1	1350,0	
SDI/DVB-ASI optical transmitters and receivers with the electrical multiplexing (TDM)				
Optical receivers and transmitters of up to eight time-division-multiplexed (TDM) streams of SD SDI/DVB-ASI per a wavelength. STM16/SDH (ITU-Rec G707 compliant) packetization. Loss of any number of input streams does not affect the optical system operation. **Transmitters and receivers feature monitor output, built-in colorbar/B-W/PATALOGIC test signal generator (***transmitters only***). Unidirectional RS-422 data support (***POTM-3252/PORC-3272(A) only***). Optical change-over facility provisioned (***POTM-3252/PORC-3272 only***): two optical outputs on a transmitter and two optical inputs on a receiver, the change-over occurs on optical signal loss or if errors in the received signal are detected.** **DDMI compliant SFP modules with LC connectors.**				
1. four-channel TDM SDI/ASI optical transmitter (*0dBm optical power*)	**POTM-3251SFP** **(CW##)**	1	3300,0 (3900,0)	
2. four-channel TDD SDI/ASI optical receiver (*-24dBm*)	**PORC-3271SFP**	1	3200,0	
3. four-channel TDD SDI/ASI optical receiver (*-29dBm*)	**PORC-3271SFPA**	1	3500,0	
4. eight-channel STM16/SDH compliant SDI/ASI optical transmitter (*0dBm optical power*)	**POTM-3252** **(CW##)**	2	5500,0 (5800,0)	
5. eight-channel STM16/SDH compliant SDI/ASI optical receiver (*-24dBm optical sensitivity*)	**PORC-3272**	2	5350,0	
6. eight-channel STM16/SDH compliant SDI/ASI optical receiver (*-29dBm optical sensitivity*)	**PORC-3272A**	2	5650,0	
PAL/SECAM/SDI multiformat video, analog/AES audio, unidirectional RS-232/RS-422/GPI data optical transmitters and receivers				
DDMI-compliant SPF modules with LC connectors. SFP receiver modules with APD ("A" index). **PAL monitor output with 4-channel audio level meter OSD (***except PORC-3245-8***). HDMI monitor output with 8-channel audio level meter OSD (***PORC-3245-8 only***). Audio gain adjustments. Audio routing for channel pairs.**				
1. four-channel audio, PAL/SECAM/SDI video, RS-232/RS-422/GPI data optical transmitter ()	**POTM-3205SFP-4AA/AE/EE** **(CW##)*** **(DW#)****	1	2200,0 (2500,0) (4000,0)	

PROFLEX modular system

Description	Designation code	Rack slots occupied	Price	Notes
2. four-channel audio (analog and AES/EBU), PAL/SECAM/SDI, RS-232/RS-422/GPI data (*-24dBm*)	**PORC-3225SFP-4 AA/AE/EE**	1	1700,0	
3. four-channel audio (analog and AES/EBU), PAL/SECAM/SDI, RS-232 data (*-29dBm*)	**PORC-3225SFPA-4AA/AE/EE**	1	2000,0	
4. PAL/SECAM/SD SDI, 4-ch audio optical transmitter with synchronizer (*0~3dBm*)	**POTM-3284-4AA/AE/EE** **(CW##)*** **(DW#)****	2	2250,0 (2550,0) (4050,0)	
5. eight-channel audio, PAL/SECAM/SDI video, RS-232 data optical transmitter	**POTM-3205SFP-8AA/AE/EE** **(CW##)*** **(DW#)****	1	2300,0 (2600,0) (4100,0)	
6. eight-channel audio (analog and AES/EBU), PAL/SECAM/SDI, RS-232 data (*-24dBm*)	**PORC-3225SFP-8 AA/AE/EE**	1	2000,0	
7. eight-channel audio (analog and AES/EBU), PAL/SECAM/SDI, RS-232 data (*-29dBm*)	**PORC-3225SFPA-8AA/AE/EE**	1	2300,0	
SD SDIembedded optical receivers with synchronization to REF and audio deembedding/embedding				
DDMI-compliant SPF modules with LC connectors. SFP receiver modules with APD ("A" index). **PAL monitor output with 4-channel audio level meter OSD (***except PORC-3245-8***). Audio gain adjustments. Audio routing for channel pairs.**				
1. SDIembedded with synchronization to REF, RS-232 data support, auxiliary audio output	**PORC-3228SFP AA/AE/EE**	2	1980,0	
2. SDIembedded with synchronization to REF, RS-232 data support, auxiliary audio output (*APD sensor*)	**PORC-3228SFPA AA/AE/EE**	2	2280,0	
3. SDIembedded with synchronization to REF, RS-232 data support, auxiliary audio input	**PORC-3229SFP AA/AE/EE**	2	1980,0	
4. SDIembedded with synchronization to REF, RS-232 data support, auxiliary audio input (*APD sensor*)	**PORC-3229SFPA AA/AE/EE**	2	2280,0	
5. SDIembedded with synchronization to REF	**PORC-3227SFP**	1	1720,0	
6. SDIembedded with synchronization to REF (*APD sensor*)	**PORC-3227SFPA**	1	2020,0	
7. SD SDI=>PAL/SECAM/NTSC/SD SDI with synchronization to REF, analog/AES audio and HDMI outputs *(frame rate **not** altered, -24dBm)*	**PORC-3245-8 AA/AE/EE**	2	2300,0	
8. SD SDI=>PAL/SECAM/NTSC/SD SDI with synchronization to REF, analog/AES audio and HDMI outputs *(frame rate **not** altered, -29dBm@1.5Gb)*	**PORC-3245A-8 AA/AE/EE**	2	2600,0	
Multiformat PAL/SECAM/SD SDI video, analog/AES audio, bidirectional RS-232/RS-422/GPI data single-channel optical transmitters and receivers				
DDMI-compliant SPF modules with LC connectors. SFP receiver modules with APD ("A" index). **PAL monitor output with 4-channel audio level meter OSD. Audio gain adjustments. Audio routing for channel pairs.**				
1. four-channel audio, PAL/SECAM/SDI video, bidirectional RS-232/RS-422 data optical transmitter *(**single-fiber**, 1310/1550nm laser, -23~-3dBm optical input, -5~0dBm output, **pairs with** **PORC-3226SFP-4**)*	**POTM-3206SFP-4AA/AE/EE**	2	2300,0	
2. four-channel audio (analog and AES/EBU), PAL/SECAM/SDI, bidirectional RS-232/RS-422/GPI data *(**single-fiber**, 1310/1550nm, -23~-3dBm optical input, -5~0dBm output, **pairs with** **POTM-3206SFP-4**)*	**PORC-3226-4AA/AE/EE**	2	2300,0	
3. four-channel audio, PAL/SECAM/SDI video, bidirectional RS-232/RS-422/GPI data optical transmitter *(**dual-fiber**, 1310nm/1550nm/CWDM, -24~-3dBm optical input, 0~+3dBm output)*	**POTM-3206SFPD-4AA/AE/EE** **(CW##)***	2	2400,0 (2700,0)	
4. four-channel audio (analog and AES/EBU), PAL/SECAM/SDI, bidirectional RS-232/RS-422 data *(**dual-fiber**, 1310nm /1550nm/CWDM,-23~-3dBm optical input, -5~0dBm output)*	**PORC-3226SFPD-4AA/AE/EE** **(CW##)***	2	2400,0 (2700,0)	
5. eight-channel audio, PAL/SECAM/SDI video, bidirectional RS-232/RS-422 data optical transmitter *(**single-fiber**, 1310nm/1550nm, -23~-3dBm optical input, -5~0dBm output, **pairs with** **PORC-3226SFP-8**)*	**POTM-3206SFP-8AA/AE/EE**	2	2500,0	
6. eight-channel audio (analog and AES/EBU), PAL/SECAM/SDI, bidirectional RS-232/RS-422 data *(**single-fiber**, 1310/1550nm, -23~-3dBm optical input, -5~0dBm output, **pairs with** **POTM-3206SFP-8**)*	**PORC-3226SFP-8AA/AE/EE**	2	2500,0	
7. eight-channel audio, PAL/SECAM/SDI video, bidirectional RS-232/RS-422 data optical transmitter	**POTM-3206SFPD-8AA/AE/EE** **(CW##)***	2	2600,0 (2900,0)	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

Description	Designation code	Rack slots occupied	Price	Notes
*(**dual-fiber**, 1310nm/1550nm/CWDM, -24~-3dBm optical input, 0~+3dBm output)*				
8. eight-channel audio (analog and AES/EBU), PAL/SECAM/SDI, bidirectional RS-232/RS-422 data *(**dual-fiber**, 1310nm /1550nm/CWDM, -24~-3dBm optical input, 0~+3dBm output)*	**PORC-3226SFPD-8AA/AE/EE (CW##)***	2	2600,0 (2900,0)	
Audio (analog and AES/EBU) and unidirectional RS-232/RS-422/GPI data single-channel optical transmitters and receivers				
DDMI-compliant SPF modules with LC connectors. SFP receiver modules with APD ("A" index). PAL monitor output with 4-channel audio level meter OSD. Audio gain adjustments. Built-in 1kHz test tone generator.				
1. four-channel audio optical transmitter with RS-232/RS-422/GPI data support (*0~+3dBm*)	**POTM-3214SFP-4AA/AE/EE (CW##)* (DW#)****	1	1600,0 (2000,0) (3500,0)	
2. . four-channel audio (analog and AES/EBU) with RS-232/RS-422/GPI data (*-26~-3dBm*)	**PORC-3234SFP- 4AA/AE/EE**	1	1500,0	
3. four-channel audio (analog and AES/EBU) with RS-232 data (*-32~-9dBm*)	**PORC-3234SFPA-4AA/AE/EE**	1	1800,0	
4. eight-channel audio optical transmitter with RS-232 data support (*0~+3dBm*)	**POTM-3214SFP-8AA/AE/EE (CW##)* (DW#)****	1	1900,0 (2200,0) (3700,0)	
5. eight-channel audio (analog and AES/EBU) with RS-232/RS-422/GPI data (*-26~-3dBm*)	**PORC-3234SFP-8AA/AE/EE**	1	1700,0	
6. eight-channel audio (analog and AES/EBU) with RS-232/RS-422/GPI data (*-32~-9dBm*)	**PORC-3234SFPA-8AA/AE/EE**	1	2000,0	
7. sixteen-channel audio optical transmitter with RS-232/RS-422/GPI data support (*0~+3dBm*)	**POTM-3214SFP-16AAAA/AAAE/ AAEE/AEEE/EEEE (CW##)* (DW#)****	2	3100,0 (3400,0) (4900,0)	
9. sixteen-channel audio (analog and AES/EBU) with RS-232/RS-422/GPI data (*-24dBm*)	**PORC-3234SFP-16AAAA/AAAE/ AAEE/AEEE/EEEE**	2	2600,0	
10. sixteen-channel audio (analog and AES/EBU) with RS-232/RS-422/GPI data (*-29dBm*)	**PORC-3234SFPA-16AAAA/AAAE/ AAEE/AEEE/EEEE**	2	2900,0	
Audio (analog and AES/EBU) and bidirectional RS-232/RS-422/GPI data single-channel optical transmitters and receivers				
DDMI-compliant SPF modules with LC connectors. SFP receiver modules with APD ("A" index). PAL monitor output with 4-channel audio level meter OSD. Audio gain adjustments. Built-in 1kHz test tone generator.				
1. four-channel audio optical transmitter with bidirectional RS-232/RS422 data support *(single-fiber, 1310/1550nm laser, WDM)*	**POTM-3215SFP-4AA/AE/EE**	2	1700,0	
2. four-channel audio (analog and AES/EBU) with bidirectional RS-232/RS-422data *(WDM single-fiber, 1310/1550nm)*	**PORC-3235SFP-4AA/AE/EE**	2	1700,0	
3. four-channel audio optical transmitter with bidirectional RS-232/RS422 data support *(dual-fiber, 1310nm/1550nm/CWDM)*	**POTM-3215SFPD-4AA/AE/EE (CW##)***	2	1800,0 (2100,0)	
4. four-channel audio (analog and AES/EBU) with bidirectional RS-232/RS-422data *(dual-fiber, 1310nm/1550nm/CWDM)*	**PORC-3235SFPD-4AA/AE/EE (CW##)***	2	1800,0 (2100,0)	
5. eight-channel audio optical transmitter with bidirectional RS-232/RS422 data support *(single-fiber, 1310/1550nm laser WDM)*	**POTM-3215SFP-8AA/AE/EE**	2	1800,0	
6. eight-channel audio (analog and AES/EBU) with bidirectional RS-232/RS-422data *(WDM single-fiber, 1310/1550nm)*	**PORC-3235SFP-8AA/AE/EE**	2	1800,0	
7. eight-channel audio optical transmitter with bidirectional RS-232/RS422 data support *(dual-fiber, 1310nm/1550nm/CWDM)*	**POTM-3215SFPD-8AA/AE/EE (CW##)***	2	1900,0 (2200,0)	
8. eight-channel audio (analog and AES/EBU) with bidirectional RS-232/RS-422data *(dual-fiber, 1310nm/1550nm/CWDM)*	**PORC-3235D-8AA/AE/EE (CW##)***	2	1900,0 (2200,0)	
9. sixteen-channel audio optical transmitter with bidirectional RS-232/RS422 data support *(single-fiber, 1310/1550nm laser WDM)*	**POTM-3215SFP-16AAAA/AAAE/ AAEE/AEEE/EEEE**	2	3200,0	
10. sixteen-channel audio (analog and AES/EBU) with bidirectional RS-232/RS-422data *(WDM single-fiber, 1310/1550nm)*	**PORC-3235SFP-16AAAA/AAAE/ AAEE/AEEE/EEEE**	2	3200,0	

PROFLEX modular system

Description	Designation code	Rack slots occupied	Price	Notes
11. sixteen-channel audio optical transmitter with bidirectional RS-232/RS422 data support *(dual-fiber, 1310nm/1550nm/CWDM)*	**POTM-3215SFPD-16AAAA/AAAE/ AAEE/AEEE/EEEE (CW##)***	2	3300,0 (3600,0)	
12. sixteen-channel audio (analog and AES/EBU) with bidirectional RS-232/RS-422data *(dual-fiber, 1310nm/1550nm/CWDM)*	**PORC-3235SFPD-16AAAA/AAAE/ AAEE/AEEE/EEEE (CW##)***	2	3300,0 (3600,0)	
Multiport optical transceivers for RS-232/RS-422/RS-485/GPIO and intercom signals				
Up to six streams of RS-232/RS-422/RS-485 data and two GPIO signals. Two stereo pairs (analog or AES/EBU) for intercom capability. A pair of POTR-7209 transceivers provide the duplex communication over one or two optical fibers. Each serial port is user-configurable. The DDMI-compliant SFP modules provide real-time monitoring of optical power and wavelength information which is made available via SNMP.				
1. multiport optical transceivers for RS-232/RS-422/RS-485/GPIO and intercom signals (*TX and RX over the same fiber, built-in optical MUX, wavelengths should match on both ends, -5~0dBm TX power, -23~-3dBm RX dynamic range, 1310/1550nm laser wavelengths*)	**PODT-3208-31 -AA/AE/EE** **PODT-3208-55 -AA/AE/EE**	2	1320,0	
2. multiport optical transceivers for RS-232/RS-422/RS-485/GPIO and intercom signals (*TX and RX over the same fiber, built-in optical MUX, wavelengths should match on both ends, 0~+3dBm TX power, -30~-9dBm RX dynamic range, 1310/1550nm laser wavelengths*)	**PODT-3208A-31 -AA/AE/EE** **PODT-3208A-55 -AA/AE/EE**	2	1480,0	
3. multiport optical transceivers for RS-232/RS-422/RS-485/GPIO and intercom signals (*TX and RX over two fibers, 0~+3dBm TX power, -24~-3dBm RX dynamic range, 1310/1550nm or CWDM laser wavelengths*)	**PODT-3208D-31 -AA/AE/EE** **PODT-3208D-55 -AA/AE/EE** **PODT-3208D-CW## -AA/AE/EE**	2	1510,0	
4. multiport optical transceivers for RS-232/RS-422/RS-485/GPIO and intercom signals (*TX and RX over two fibers, 0~+3dBm TX power, -32~-9dBm RX dynamic range, 1310nm or CWDM laser wavelengths*)	**PODT-3208DA-31 -AA/AE/EE** **PODT-3208DA-CW## -AA/AE/EE**	2	1640,0 1680,0	
5. multiport optical transceivers for RS-232/RS-422/RS-485/GPIO and intercom signals (*TX and RX over two fibers, +3~+7dBm TX power, -33~-9dBm RX dynamic range, 1550nm laser wavelengths*)	**PODT-3208DA-55H -AA/AE/EE**	2	1680,0	
Optical transponders - regenerators and wavelength converters				
Optical transponders - regenerators and wavelength converters are used to amplify and restore an optical signal received over some lengthy fiber link. Optionally it is possible to change the carrier wavelenght during the amplification/restoration. Input wavelengths: 1100~1650nm. Output wavelength is either 1310nm or 1550nm or one of CWDM wavelengths. The SDI/DVB-ASI (270Mb/s) / *PTRS-3262 series/* or HDSDI (1,485Gb/s), SDI/DVB-ASI (270Mb/s) */PTRS-7262 series/* are supported. RX sensitivity: -31dBm */PTRS-3262/* and -27dBm */PTRS-7262/*. Payload signal standard autodetection (*HDSDI/SDI/ASI*). PAL/NTSC monitor output for the SDI input signal. Two BNC outputs of reclocked/reshaped payload signal. DDMI compliant SFP modules.				
1. SDI/ASI optical regenerator/wavelength converter (*SFP module, TX power 0dBm, RX sens -24dBm*)	**PTRS-3262SFP-## (CW##)**	1	1400,0 (1700,0)	
2. SDI/ASI optical regenerator/wavelength converter (*SFP module, TX power 0dBm, RX sensitivity: -9~ -32dBm*)	**PTRS-3262SFPA-## (CW##)**	1	1600,0 (1900,0)	
3. SDI/ASI optical regenerator/wavelength converter (*SFP module, TX power +3~+7dBm, RX sensitivity: -9~ -32dBm, 1550nm laser*)	**PTRS-3262SFPA1550H**	1	1800,0	
4. 3G/HD/SD SDI and DVB-ASI optical regenerator/wavelength converter (*SFP module, TX power 0dBm, RX sensitivity: -3~ -20dBm, HDMI aux output*)	**PTRS-7263-## (CW##)**	1	2110,0 (2410,0)	
5. 3G/HD/SD SDI and DVB-ASI optical regenerator/wavelength converter (*SFP module, TX power 0dBm, RX sensitivity: -9~ -28dBm, HDMI aux output*)	**PTRS-7263A -CW##**	1	2310,0 (2610,0)	
6. 3G/HD/SD SDI and DVB-ASI optical regenerator/wavelength converter (*SFP module, TX power +3~+7dBm, RX sensitivity: -9~ -28dBm, HDMI aux output*)	**PTRS-7263A-1550H**	1	2510,0	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

Description	Designation code	Rack slots occupied	Price	Notes
7. 3G/HD/SD SDI/DVB-ASI/TDM/Telecom optical regenerator/wavelength converter (*SFP module, TX power 0dBm, RX sensitivity: -3~ -20dBm*)	**PTRS-7264-## (CW##)**	1	1600,0 (1900,0)	
8. 3G/HD/SD SDI/DVB-ASI/TDM/Telecom optical regenerator/wavelength converter (*SFP module, TX power 0dBm, RX sensitivity: -9~ -28dBm*)	**PTRS-7264A (-CW##)**	1	1800,0 (2100,0)	
9. 3G/HD/SD SDI/DVB-ASI/TDM/Telecom optical regenerator/wavelength converter (*SFP module, TX power +3~+7dBm, RX sensitivity: -9~ -28dBm, 1550nm laser*)	**PTRS-7264A-1550H**	1	2000,0	
FastETHERNET optical transceivers				
Optical transceivers provide the 10/100/1000BaseT FastEthernet bidirectional communication over an optical fiber. A pair of POTR-3209-(D) provide the full duplex link over one or two (modification index "D") optical fibers. Local (from module's frontal panel) and remote (Ethernet/RS-485, proprietary protocol) controls and management. DDMI-compliant SFP modules with real-time optical power monitoring and wavelength reporting. LC type optical connectors. Two 10/100/1000BaseT electrical ports with "two-port hub" capability.				
1. 10/100/1000Base-T Ethernet optical transceiver *(single-fiber; **no** SFP module!)*	**POTR-7209**	1	450,0	
2. 10/100/1000Base-T Ethernet optical transceiver *(single-fiber; -7~-1dBm optical power, -23~-3dBm optical input dynamic range, 1310/1550nm wavelength, ≤20km fiber length)*	**POTR-7209-31** **POTR-7209-55**	1	600,0	
3. 10/100/1000Base-T Ethernet optical transceiver *(single-fiber; -2~+3dBm optical power, -23~-3dBm optical input dynamic range, 1490/1550nm wavelength, 20~80km fiber length)*	**POTR-7209-L-49** **POTR-7209-L-55**	1	750,0	
4. 10/100/1000Base-T Ethernet optical transceiver *(dual-fiber; -9~-3dBm optical power, -23~-3dBm optical input dynamic range, 1310nm wavelength, ≤20km fiber length)*	**POTR-7209D-31**	1	580,0	
5. 10/100/1000Base-T Ethernet optical transceiver *(dual-fiber; -2~+3dBm optical power, -24~-3dBm optical input dynamic range, 1550nm wavelength, 20~80km fiber length)*	**POTR-7209D-L-55**	1	720,0	
6. 10/100/1000Base-T Ethernet optical transceiver *(dual-fiber; ; -5~0dBm optical power, -24~-3dBm optical input dynamic range, any CWDM wavelength, ≤20km fiber length)*	**POTR-7209D-CW##**	1	750,0	
7. 10/100/1000Base-T Ethernet optical transceiver *(dual-fiber; +1~+5dBm optical power, -24~-3dBm optical input dynamic range, any CWDM wavelength, 20~80km fiber length)*	**POTR-7209D-L-CW##**	1	830,0	
ETHERNET optical transceivers/switches				
Four-port Ethernet 10/100/1000 Mbps switch/optical transceiver with two optical and two electrical interfaces supports QoS and IPv6. May be an optical bridge between two Ethernet segments. A pair of transceivers can build the duplex optical optical link over one or two optical fibers. Full duplex at 10/100/1000 Mbps, half duplex at 10/100 Mbps auto negotiation; low latency routing with 1024 MAC-address table; network activity and speed LED indicators. SFP modules with DDMI allow for laser wavelength, output power and receiver's input optical power diagnostics. All the operational parameters are available at the frontal panel and over the network for remote monitoring (requires a rack CPU). SFP slots accept Mini GBIC 1000Base–x / 100Base–Fx. LC type optical connectors.				
1. four-port 10/100/1000Mbit Ethernet switch/optical transceiver with electrical and optical interfaces (***no** SFP module!*)	**PETS-7210**	1	550,0	
Select from the following list of 1.25Gbps SFP modules to obtain the necessary wavelength and working distance:				
•Single-fiber SFP (*TX and RX over the same fiber, built-in optical MUX, wavelengths should match on both ends, -7~-1dBm TX power, -23~-3dBm RX dynamic range, 1310/1550nm laser wavelengths, ≤20km distance*)	**SFP-S-20-31** **SFP-S-20-55**		66,0	
•Single-fiber SFP (*TX and RX over the same fiber, built-in optical MUX, wavelengths should match on both ends, -2~+3dBm TX power, -24~-3dBm RX dynamic range, 1490/1550nm laser wavelengths, 20~80km distance*)	**SFP-S-80-49** **SFP-S-80-55**		220,0	

PROFLEX modular system

Description	Designation code	Rack slots occupied	Price	Notes
•Dual-fiber SFP (*TX and RX over separate fibers, -9~-3dBm TX power, -23~-3dBm RX dynamic range, 1310nm laser wavelength, ≤20km distance*)	**SFP-D-20-31**		66,0	
•Dual-fiber SFP (*TX and RX over separate fibers, -2~+3dBm TX power, -23~-3dBm RX dynamic range, 1550nm laser wavelength, 20~80km distance*)	**SFP-D-80-55**		230,0	
•Dual-fiber CWDM SFP (*TX and RX over different fibers, -5~0dBm TX power, -24~-3dBm RX dynamic range, any CWDM laser wavelength, ≤20km distance*)	**SFP-D-20-CW##**		200,0	
•Dual-fiber CWDM SFP (*TX and RX over different fibers, 1~5dBm TX power, -24~-3dBm RX dynamic range, any CWDM laser wavelength, 20~80km distance*)	**SFP-D-80-CW##**		230,0	
SFP modules with less than 24dBm budget – by request				
E1 multichannel optical transceivers				
Bidirectional communication of up to eight E1 streams over an optical fiber. A pair of POTR-3207-X(D) provide the full duplex link over one or two (modification index "D") optical fibers. Local and remote (Ethernet/RS-485, proprietary protocol) controls and management. Optical TX power: –3dBm; RX sensitivity: –25dBm (dual fiber configuration), –20dBm (single-fiber).				
1. E1 optical transceiver *(dual-fiber, 1310nm laser /1550nm by request/; two, four or eight E1 streams)*	**POTR-3207D-2**	1	900,0	
	POTR-3207D-4	2	980,0	
	POTR-3207D-8	2	1350,0	
2. E1 optical transceiver *(single-fiber, WDM 1310/1550nm laser; two, four or eight E1 streams)*	**POTR-3207-2**	1	700,0	
	POTR-3207-4	2	780,0	
	POTR-3207-8	2	1180,0	
3. E1 optical transceiver *(dual-fiber, CWDM laser; two, four or eight E1 streams)*	**POTR-3207D-CW#-2**	1	1500,0	
	POTR-3207D-CW#-4	2	1580,0	
	POTR-3207D-CW#-8	2	1980,0	
Optical changeovers				
Optical changeovers are designed to protect 1270~1610nm band optical fiber link. Continuously measure the optical power on two inputs and automatically switch the optical output to the stand-by input if the main input optical signal is lost or falls below some power level. The latching optical relay retains it's state during the power outages. Automatic and/or manual/GPI/RS-485/Ethernet changeover/changeback control *(requires a CPU in a rack)*. CWDM compatible.				
1. optical automatic changeover	**PCOO-3027**	2	1180,0	
2. optical manual/GPI-controlled changeover	**PCOO-3027GPI**	2	600,0	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

Description	Designation code	Rack slots occupied	Price	Notes
WDM optical multiplexers/demultiplexers (1310/1550nm)				
Allow for the two-signal, possibly bidirectional, optical fiber communication. The WDM wavelength: 1310±20nm and 1550±20nm. Optical multiplexers/demultiplexers are passive devices. The intended transmitters should be fitted with the WDM-compatible lasers, 1310nm is used in one direction, 1550nm – in the other. When in the demultiplexing mode, devices provide the spectral selectivity for the intended receivers.				
1. WDM optical multiplexer/demultiplexer	**PWOM-3210**		290,0	
2. 1U mounting plate *(up to three WDM devices)*	**PM-021**		20,0	
CWDM optical multiplexers/demultiplexers (1270~1610nm)				
Allow for the sixteen-signal, possibly bidirectional, optical fiber communication. The CWDM wavelength: 1270±2nm, 1290±2nm, 1310±2nm, 1330±2nm, 1350±2nm, 1370±2nm, 1390±2nm, 1410±2nm, 1430±2nm, 1450±2nm, 1470±2nm, 1490±2nm, 1510±2nm, 1530±2nm, 1550±2nm, 1570±2nm, 1590±2nm and 1610±2nm. Optical multiplexers/demultiplexers are passive devices. The intended transmitters should be fitted with the CWDM-compatible DBF lasers. When in the demultiplexing mode, devices provide the spectral selectivity for the intended receivers. Optical multiplexers/demultiplexers with the 1470nm and 1550nm boundary wavelengths are fitted with the broadband (1260~1360nm) expantion input. An intended connection is the 4-channel CWDM multiplexer's output with the 1270nm boundary wavelength or 1310nm optical output of any device, the emissions in the two parts of spectrum (below and above the boundary wavelength) will be combined.				
1. CWDM optical multiplexer/demultiplexer *(4-channel)*	**PCOM-3211-4-##***		790,0	* ## – boundary wavelength (1270, 1350, 1390, 1470, 1550nm)
2. CWDM optical multiplexer/demultiplexer *(8-channel)*	**PCOM-3211-8-##***		1560,0	
3. CWDM optical multiplexer/demultiplexer *(16-channel)*	**PCOM-3211-16-1270**		3190,0	
4. DWDM optical multiplexer/demultiplexer *(16-channel)*	**PDOM-3213-16-#****		5190,0	
5. 1U mounting plate *(up to three CWDM devices)*	**PM-021**		20,0	** # ITU DWDM starting channel number
Optical splitters and summators				
Optical splitter/combiner is a passive device designed to split an input optical signal into two output signals with certain division ratio (from 10%by90% to 50%by50%, available by request), also the combiner function is available when two optical signals are combined onto one output.				
1. optical splitter/summator	**POAS-3212**		290,0	
2. 1U mounting plate *(up to three devices)*	**PM-021**		20,0	
Optical attenuators				
1. LC-type optical attenuator: - 7dB	**AttFMLC-LC-A-7dB**		40,0	
-10dB	**AttFMLC-LC-A-10dB**		40,0	
-15dB	**AttFMLC-LC-A-15dB**		40,0	

Cable kits for optical transmitters and receivers *)	
****) All modifications of 1U XLR patch-panels available for "PROFITT"s transmitters and receivers***	**Please, refer to Anex#1**

PROFLEX modular system

Description	Designation code	Price	Notes
CPU modules, remote monitoring processors, interfaces and software packages			
Multiscreen processors for remote video- and audio-monitoring			
Up to eight 3G/HD/SD SDIembedded inputs for standard compliance analysis, error detection. The input signals are down-scaled, compressed to be represented in a multi-screen matrix. The resulting picture is available via IP for remote monitoring by a regular web-browser. PMVC-7348-8 accepts eight 3G/HD/SD SDI input signals; PMVC-7348-4 accepts four. Ethernet 10/100 Mb output. User-selectable picture scaling: for SD – 192x144, 256x192, 320x240; for 3G/HD – 192x112, 256x144, 320x184. JPEG (Baseline) compression, one user-selectable input is MPEG4/H.264 encoded. User-selectable frame rates for scaled images (from 2fps to 0.1fps). Up to ~3,0Mbps maximum output bitrate. Built-in web-server for remote monitoring and management. Compatible with "Proflex2.xx" software package.			
1.Multiscreen processors for remote video- and audio-monitoring *(eight 3G/HD/SD SDI inputs, IP output)*	**PMVC-7348-8**	**3900,0**	2 slots in a PROFLEX rack
2.Multiscreen processors for remote video- and audio-monitoring *(four 3G/HD/SD SDI inputs, IP output)*	**PMVC-7348-4**	**3200,0**	2 slots in a PROFLEX rack
PROFLEX™ rack built-in CPU modules			
1. CPU module for 3U PROFLEX™ racks (*ETHERNET and REF input*)	**PFPC-3353**	550,0	***No slot required***
2. CPU module for 1U PROFLEX™ racks (*ETHERNET and REF input*)	**PFPC-3354**	490,0	***No slot required***
3. GPI modem *(RS-232 connectivity, GPI, GPO; cascadable)*	**PPIC-3351**	350,0	***Takes one slot in a rack***
"PROFLEX" racks (with backplane and 187~242V AC PSU)			
1. 1U "PROFLEX" rack (*four slots*)	**PFR-1UK**	380,0	**To order the rack with two PSUs please add the "D" index (*for example: PFR-1UMD; PFR-3UKD; PFR-3UKD-DC*)**
2. 3U "PROFLEX" rack (*sixteen slots*)	**PFR-3UK**	800,0	
"PROFLEX" racks (with backplane and 36~72 PSU)			
1. 3U "PROFLEX" rack (*sixteen slots*)	**PRF-3UK-DC**	720,0	
2. 1U "PROFLEX" rack (*four slots*)	**PFR-1UK-DC**	380,0	
Optional stand-by power supply units			
1. a stand-by power supply unit (*for PFR-1UK rack*)	MX047	200,0	
2. a stand-by power supply unit (*for PFR-3UK rack*)	MX91X	400,0	
3. a stand-by power supply unit (*for PFR-3UK-DC rack*)	MX287	400,0	
4. a stand-by power supply unit (*for PFR-1UK-DC rack*)	MX247	200,0	
Software packages			
1. Software package to manage the PROFLEX™ system modules "PROFLEX" (*IBM PC, MS Windows, ETHERNET connectivity*)		500,0	**Proflex2.x.x**

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

“PROFNEXT” modular system

#	Description	Designation code	Rack slots occupied	Price	Notes
	“PROFNEXT” modular system				
	1U and 3U racks. “PROFNEXT” 1U rack has four slots for functional modules, 3U rack has sixteen slots. Each rack features a built-in CPU module for remote monitoring and management. **Each “PROFNEXT” functional module is monitored/managed from a rack’ frontal panel, from a web-page** **Rack dimensions:** **•1U – 483mm*414mm*44mm** **•3U – 483mm*414mm*133mm**				
	Racks for “PROFNEXT” modules				
1.	1U “PROFNEXT” rack	**PNT-1U**		**680,0**	
2.	3U “PROFNEXT” rack	**PNT-3U**		**1360,0**	
3.	redundant PSU for 1U rack	**PMX-106**		**250,0**	*optional*
4.	redundant PSU for 3U rack	**PMX-107**		**400,0**	*optional*
	Software packages				
1.	software package for remote management and monitoring (*MS Windows*)	**Proflex3.xx**		**500,0**	
	3G/HD/SD SDI/HDMI synchronisers with embedded audio support				
1.	3G/HD/SD SDI/HDMI synchroniser	**PN-CFS-021**	1	**1780,0**	
2.	3G/HD/SD SDI synchronizer with HDMI aux. output	**PN-FS-023**	1	**1680,0**	
	SDI ↔HDMI converters				
1.	two-channel 3G/HD/SD SDI↔HDMI converter **(***bidirectional***)**	**PN-MIS-020**	1	**830,0**	
	3G/HD/SD SDI/HDMI audio embedders and deembedders				
1.	3G/HD/SD SDI/HDMI eight-channel audio embedder/deembedder with HDMI aux output	**PN-EMX-024-AA/AE/EE**	1	**1790,0**	AA – four analog audio channels, AE – two analog and two AES channels, EE – four AES channels
2.	3G/HD/SD SDI/HDMI eight-channel audio embedder/deembedder with synchronizer capability (*pass-through REF input*)	**PN-EMS-025-AA/AE/EE**	2	**2190,0**	
	6G/3G/HD/SD SDI/DVB-ASI distribution amplifiers				
1.	6G/3G/HD/SD SDI/DVB-ASI 1x4 distribution amplifier	**PN-AMP-010-4**	1	**290,0**	
2.	6G/3G/HD/SD SDI/DVB-ASI 1x8 distribution amplifier	**PN-AMP-010-8**	2	**340,0**	
3.	two 6G/3G/HD/SD SDI/DVB-ASI 1x4 distribution amplifiers	**PN-AMP-010-24**	2	**450,0**	
4.	four 6G/3G/HD/SD SDI/DVB-ASI 1x2 distribution amplifiers	**PN-AMP-010-42**	2	**580,0**	
	OPTICAL CONVERTERS				
	Single-channel 3G/HD/SD SDI/HDMI optical transmitters and receivers with analog/AES audio support				
1.	3G/HD/SD SDI/HDMI optical transmitter with HDMI aux output (*0~+3dBm optical power*)	**PN-OT-120** **(-CW##)** **(-DW#)**	1	**1590,0** **(1840,0)** **(3090,0)**	
2.	3G/HD/SD SDI/HDMI optical receiver (*-24~-3dBm optical sensitivity @ 3Gbps, -28~-9dBm for “A” model index*)	**PN-OR-142** **(PN-OR-142A)**	1	**1450,0** **(1750,0)**	
3.	3G/HD/SD SDI/HDMI optical transmitter with eight-channel audio embedder/deembedder and aux HDMI output (*0~+3dBm optical power*)	**PN-OT-122-AA/AE/EE** **(-CW##)** **(-DW#)**	1	**2190,0** **(2440,0)** **(3690,0)**	
4.	3G/HD/SD SDI/HDMI optical receiver with eight-channel audio embedder/deembedder and aux HDMI output (*-24~-3dBm optical sensitivity @ 3Gbps, -28~-9dBm for “A” model index*)	**PN-OR-140-AA/AE/EE** **(PN-OR-140A-AA/AE/EE)**	1	**2190,0** **(2490,0)**	

“PROFITT” Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

PROFLEX modular system

	Description	Designation code	Rack slots occupied	Price	Notes
	Single-channel 3G/HD/SD SDI/HDMI optical transmitters and receivers with analog/AES audio support and synchronizer capability				
1.	3G/HD/SD SDI/HDMI optical transmitter with synchronizer and HDMI aux output (*0~+3dBm optical power*)	**PN-OTS-121** **(-CW##)** **(-DW#)**	1	**2190,0** **(2440,0)** **(3690,0)**	
2.	3G/HD/SD SDI/HDMI optical receiver with synchronizer (*-24~-3dBm optical sensitivity @ 3Gbps, -28~-9dBm for "A" model index*)	**PN-ORS-143** **(PN-ORS-143A)**	1	**2190,0** **(2490,0)**	
3.	3G/HD/SD SDI/HDMI optical transmitter with eight-channel audio embedder/deembedder, synchroniser and aux HDMI output (*0~+3dBm optical power*)	**PN-OTS-123-AA/AE/EE** **(-CW##)** **(-DW#)**	1	**2490,0** **(2740,0)** **(3990,0)**	
4.	3G/HD/SD SDI/HDMI optical transmitter with eight-channel audio embedder/deembedder, synchroniser and aux HDMI output (*0~+3dBm optical power, pass-through REF input*)	**PN-OTS-125-AA/AE/EE** **(-CW##)** **(-DW#)**	2	**2690,0** **(2940,0)** **(4190,0)**	
5.	3G/HD/SD SDI/HDMI optical receiver with eight-channel audio embedder/deembedder, synchroniser and aux HDMI output (*-24~-3dBm optical sensitivity @ 3Gbps, -28~-9dBm for "A" model index*)	**PN-ORS-141-AA/AE/EE** **(PN-ORS-141A-AA/AE/EE)**	1	**2690,0** **(2990,0)**	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

#	Description	Designation code		Price
	POMS-XX series optical receiption/transmission mobile rigs			
	POMS-XX series optical receiption/transmission mobile rigs are intended to be an interface between a TV mobile unit and an optical fiber access point. A single-fiber cabling is supported. The mobile rig is based on PROFITT's «PROFLEX™» and «PROFLINK™» families of modular systems. **The transmitting and the receiving equipment MUST come in compatible pair (because of the wavelengths used), therefore on the other end of the link the same model number must be used but with the "-1" index.** **«PROFLEX™» based mobile rigs come in 4U or 6U cases, the «PROFLINK™» based ones – in the 2U cases.**			
	«PROFLEX™» based mobile rigs: **Features:** **•Transmission/receiption of SD/HD SDIembedded, DVB-ASI, SDI/PAL/SECAM video, analog and AES/EBU audio, RS-232/RS-422 and ETHERNET data streams** **•Up to sixteen optical wavelengths** **•The 1U «PROFLEX™» rack hosts all transmission/receiption modules** **•all functions are monitorable remotely** **•up to 32 ports 10/100/1000Base-T switch capability** **•Front-side accessible patch-panels for external cabling** **•4U or 6U case** **•300meters single-fiber optical cable optionally supplied** **•User-selectable «PROFLEX™» functional modules and configurations**			
1.	**mobile rig consisting of:**	**POMS-200**	**POMS-200-1**	**7700,0**
	•the 4U case with patch-panels	GATOR-4U		
	•1U "PROFLEX" rack with main and stand-by power supply units	PFR-1UMD		
	•four-channel audio, PAL/SECAM/SDI video, RS-232/422/GPI data optical transmitter	POTM-3205SFP-CW1470-4AA/AE/EE	POTM-3205SFP-CW1490-4AA/AE/EE	
	•four-channel audio (analog and AES/EBU), PAL/SECAM/SDI, RS-232/422/GPI data optical receiver	PORC-3225SFP-4AA/AE/EE		
	•10/100/1000Base-T Ethernet optical transceiver	POTR-7209D-CW51	POTR-7209D-CW53	
	•CPU module for 1U PROFLEX™ racks	PFPC-3354E		
	•4-wavelengths CWDM optical multiplexer/demultiplexer	PCOM-3211-4-1470		
	•16-port Ethernet switch			
2.	**mobile rig consisting of:**	**POMS-203**	**POMS-203-1**	**6500,0**
	•the 4U case with patch-panels	GATOR-4U		
	•1U "PROFLEX" rack with main and stand-by power supply units	PFR-1UMD		
	•SDI/DVB-ASI and audio optical transmitter *(PAL monitor for SDI input)*	POTM-3202SFP-CW47	POTM-3202SFP-CW49	
	•SDI/ASI optical receiver	PORC-3242SFP		
	•10/100/1000Base-T Ethernet optical transceiver	POTR-7209D-CW51	POTR-7209D-CW53	
	•CPU module for 1U PROFLEX™ racks	PFPC-3354		
	•4-wavelengths CWDM optical multiplexer/demultiplexer	PCOM-3211-4-1470		
	•16-port Ethernet switch			
3.	**mobile rig consisting of:**	**POMS-211**	**POMS-211-1**	**8370,0**
	•the 4U case with patch-panels	GATOR-4U		
	•1U "PROFLEX" rack with main and stand-by power supply units	PFR-1UMD		
	•HDSDI/SDI and analog/AES audio optical transmitters with auxiliary HDMI output *(0~3dBm)*	POTM-7205CW1470-4AA/AE/EE	POTM-7205CW1490-4AA/AE/EE	
	•HD/SDSDI and analog/AES audio, unidirectional RS-232 data optical receiver with auxiliary HDMI output (*-24~-3dBm*)	PORC-7225-4AA/AE/EE		
	•10/100/1000Base-T Ethernet optical transceiver	POTR-7209D-CW51	POTR-7209D-CW53	
	•CPU module for 1U PROFLEX™ racks	PFPC-3354		
	•4-wavelengths CWDM optical multiplexer/demultiplexer	PCOM-3211-4-1470		
	•16-port Ethernet switch			
	«PROFLINK™» based mobile rigs: **Features:** • **HD/SD SDI/DVB-ASI transmission and/or reception over a single optical fiber** • **Up to 8 channels** • **Front-side accessible patch-panels for external cabling** • **all functions are monitorable remotely** • **2U case** • **User-selectable – up to 8 RX or TX in any combination. Hot-swappable reclocker modules and SFPs are installed int a PLK-1U rack. (*See the "PROFLINK" modular system chapter for more details*)**			
1.	**mobile rig consisting of:**	**POMS-221**		**2500,0**
	•2U case with patch-panels	GATOR-2U		
	•1U PROFLINK rack with main and stand-by power supply units and a CPU	PLK-1U		

Optical receiption/transmission mobile rigs

	•8-wavelengths CWDM optical multiplexer/demultiplexer	PLK-COM-8-1270(1470)	
The list of available single-channel base modules and SFPs:			
	•Single-channel base module	**PLK-RCS-954**	**450,0**
	•Single-channel optical RX SFP (*-24~-3dBm sensitivity*)	**PRFT-30R-D**	**160,0**
	•Single-channel optical RX SFP with APD (*-28~-9dBm sensitivity*)	**PRFT-30R-DH**	**450,0**
	•Single-channel optical CWDM TX SFP (*0~+3dBm optical power, ## - CWDM wavelength*)	**PRFT-1630T-D##**	**420,0**
PLEASE NOTE: **When using several TXs in the same optical fiber – make sure they all have different wavelength.**			

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

(2014-03-01)

The prices are shown in USD, exclusive VAT, EXW Saint-Petersburg Russia (Incoterms® 2010)

Patch-panels for the "PROFITT" equipment				
Patch-panels for the PROFITT's equipment audio interconnects. XLR connectors on panels, DB-type connectors on 1 meter cable pieces. The number and the type of connectors installed according to the panel's intended usage.				
Equipment being connected	**No. of devices connected**	**Patch-panel model index**	**Price**	**Notes**
Distribution amplifiers and changeovers				
PAD-1062-7D, PDDA-3106-7DB, PDDA-3106-9UB, PPAD-3362-7D	1	**PPA-1F7M**	140	
	2	**PPA-2F14M**	196	
	3	**PPA-3F12M**	196	*4 outputs*
	4	**PPA-4F12M**	196	*3outputs*
PVD-1061A-2, PPVD-3361A-2 PCOV-3026-2, PCOV-3326-2, PCOV-7326-2	1	**PPA-4F2M**	120	
	2	**PPA-8F4M**	170	
PPAD-33623D	1	**PPA-2F6M**	140	
	2	**PPA-4F12M-1**	196	
PCOA-3105	1	**PPA-2F3M**	120	
	2	**PPA-4F6M**	170	
	3	**PPA-6F9M**	196	
Audio routers				
PSS-1616 (1608, 1601) A - inputs	1	**PPC-16F**	196	
PSS-1616 (1608, 1601) AA - inputs	1	**PPC-16F * 2pcx**	196 * 2	***Per each device***
PSS-1616A - outputs	1	**PPC-16M**	178	
PSS-1616AA - outputs	1	**PPC-16M * 2pcx**	178 * 2	***Per each device***
PSS-1608A - outputs	1	**PPC-8M**	140	
PSS-1608AA - outputs	1	**PPC-16M**	178	
PSS-1601AA - outputs	1	**PPC-4M**	102	
PSS-0808A, PSS-0804A	1	**PPC-8F8M**	196	
PSS-0808AA, PSS-0804AA	1	**PPC-8F8M • 2pcx**	196 • 2	***Per each device***
PSS-0404AA	1	**PPC-8F8M-1**	196	
PSS-0401A	1	**PPC-4F2M-1**	120	
PSS-0401AA	1	**PPC8F4M-2**	196	
PSS-0801A	1	**PPC-8F2M**	160	
PSS-0801AA	1	**PPC-8F4M**	170	***Per each device***
		PPC-8F	140	
PKS-0401A	1	**PPC-4F2M**	120	
PKS-0401AA	1	**PPC-8F4M-1**	196	
Audio delay lines				
PADL-3101	1	**PPL-2F4M**	120	
	2	**PPL-4F8M**	170	
	4	**PPL-8F8M-1**	196	*One output*
PAAD-3102	1	**PPL-2F2M**	102	
	2	**PPL-4F4M**	140	
	4	**PPL-8F8M**	196	
PADL-3103	1	**PPL-1F2M**	102	
	2	**PPL-2F4M-1**	120	
	4	**PPL-4F8M-1**	170	
PADA-3104	1	**PPL-1F4M**	120	
	2	**PPL-2F8M**	160	
Optical receivers and SDI deembedders				
PORC-3225 (7225, 7225A, 3226D, 3226) 4AA PORC-3234 (3235D, 3235) 4AA PORC-3228 (3229, 3231D, 3231, 3232D, 3232) AA PORC-7228 (7228A, 7229, 7229A) 4AA PEXT-3118 (7118) AA; PEXT-3325AA; PDFE-3308AA	1	**PPR-4M**	102	
	2	**PPR-8M**	140	
	4	**PPR-16M**	196	
	8	**PPR-16M-1**	216	*2 outputs per each RX*

Price list / Annex # 1/

Equipment being connected	No. of devices connected	Patch-panel model index	Price	Notes
PORC-3225 (7225, 7225A, 3226D, 3226) 4AE PORC-3234 (3235D, 3235) 4AE PORC-3228 (3229, 3231D, 3231, 3232D, 3232) AE PORC-7228 (7228A, 7229, 7229A) 4AE PEXT-3118 (7118) AE; PEXT-3325AE; PDFE-3308AE	1	**PPR-3M**	102	
	2	**PPR-6M**	120	
	4	**PPR-12M**	170	
PORC-3225 (7225, 7225A, 3226D, 3226) 4EE PORC-3234 (3235D, 3235) 4EE PORC-3228 (3229, 3231D, 3231, 3232D, 3232) EE PORC-7228 (7228A, 7229, 7229A) 4EE PEXT-3118 (7118) EE; PEXT-3325EE; PDFE-3308EE	1	**PPRE-2M**	102	
	2	**PPRE-4M**	102	
	4	**PPRE-8M**	140	
	8	**PPRE-16M**	196	
PORC-3225 (3226D, 3226) 8AA PORC-3234 (3235D, 3235) 8AA PORC-3245 (7244)-8AA PEXT-3325-8AA, PDRC-3345 (7344)-8AA	1	**PTP-8M**	140	
	2	**PTP-16M**	196	
PORC-3225 (3226D, 3226) 8AE PORC-3234 (3235D, 3235) 8AE PORC-3245 (7244)-8AE PEXT-3325-8AE, PDRC-3345 (7344)-8AE	1	**PTP-6M**	120	
	2	**PTP-12M**	170	
PORC-3225 (3226D, 3226) 8EE PORC-3234 (3235D, 3235) 8EE PORC-3245 (7244)-8EE PEXT-3325-8EE, PDRC-3345 (7344)-8EE	1	**PTPE-4M**	102	
	2	**PTPE-8M**	140	
	4	**PTPE-16M**	196	
PORC-3234 (3235D, 3235) 16AAAA	1	**PTPE-16M-1**	196	
PORC-3234 (3235D, 3235) 16AAAE	1	**PTP-14M**	185	
PORC-3234 (3235D, 3235) 16AAEE	1	**PTP-12M-1**	170	
PORC-3234 (3235D, 3235) 16AEEE	1	**PTP-10M**	160	
PORC-3234 (3235D, 3235) 16EEEE	1	**PTPE-8M-1**	140	
Optical transmitters and SDI embedders				
POTM-3205 (7205, 3206D, 3206) 4AA POTM-3214 (3215D, 3215) 4AA PEMB-3108 (7108) AA; PEMB-3305AA; PDFE-3309AA PIND-3112 PORC-3229 (7229, 7229A) AA	1	**PPT-4F**	102	
	2	**PPT-8F**	140	
	4	**PPT-16F**	196	
	8	**PPT-16F-1**	216	*2 inputs per each TX*
POTM-3205 (7205, 3206D, 3206) 4AE POTM-3214 (3215D, 3215) 4AE PEMB-3108 (7108) AE; PEMB-3305AE; PDFE-3309AE PORC3229 (7229, 7229A) AE	1	**PPT-3F**	102	
	2	**PPT-6F**	120	
	4	**PPT-12F**	170	
POTM-3205 (7205, 3206D, 3206) 4EE POTM-3214 (3215D, 3215) 4EE PEMB-3108 (7108) EE; PEMB-3305EE; PDFE-3309EE PORC-3229 (7229, 7229A) EE	1	**PPTE-2F**	102	
	2	**PPTE-4F**	102	
	4	**PPTE-8F**	140	
	8	**PPTE-16F**	196	
POTM-3205 (3206D, 3206) 8AA POTM-3214 (3215D, 3215) 8AA PEMB-3305-8AA	1	**PTP-8F**	140	
	2	**PTP-16F**	196	
POTM-3205 (3206D, 3206) 8AE POTM-3214 (3215D, 3215) 8AE PEMB-3305-8AE	1	**PTP-6F**	120	
	2	**PTP-12F**	170	
POTM-3205 (3206D, 3206) 8EE POTM-3214 (3215D, 3215) 8EE PEMB-3305-8EE	1	**PTPE-4F**	102	
	2	**PTPE-8F**	140	
	4	**PTPE-16F**	196	
POTM-3214 (3215D, 3215) 16AAAA	1	**PTPE-16F-1**	196	
POTM-3214 (3215D, 3215) 16AAAE	1	**PTP-14F**	185	
POTM-3214 (3215D, 3215) 16AAEE	1	**PTP-12F-1**	170	
POTM-3214 (3215D, 3215) 16AEEE	1	**PTP-10F**	160	
POTM-3214 (3215D, 3215) 16EEEE	1	**PTPE-8F-1**	140	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru

Equipment being connected	No. of devices connected	Patch-panel model index	Price	Notes
Optical transmitters + receivers				
POTM-3205 (7205, 3206D, 3206) 4AA **POTM-3214 (3215D, 3215) 4AA** **PEMB-3108 (7108)AA; PEMB-3305AA** **+** **PORC-3225 (7225, 3226D, 3226) 4AA** **PORC-3234 (3235D, 3235) 4AA** **PORC-3228 (3229, 3231D, 3231, 3232D, 3232) AE** **PEXT-3118 (7118)AA; PEXT-3325AA**	1	**PPTR-4F4M**	142	
	2	**PPTR-8F8M**	196	
POTM-3205 (7205, 3206D, 3206) 4AE **POTM-3214 (3215D, 3215) 4AE** **PEMB-3108 (7108)AE; PEMB-3305AE** **+** **PORC-3225 (7225, 3226D, 3226) 4AE** **PORC-3234 (3235D, 3235) 4AE** **PORC-3228 (3229, 3231D, 3231, 3232D, 3232) AE** **PEXT-3118 (7118)AE; PEXT-3325AE**	1	**PPTR-3F3M**	120	
	2	**PPTR-6F6M**	170	
POTM-3205 (3206D, 3206) 8AA **POTM-3214 (3215D, 3215) 8AA** **PEMB-3305-8AA** **+** **PORC-3225 (3226D, 3226) 8AA** **PORC-3234 (3235D, 3235) 8AA** **PEXT-3325-8AA**	1	**PTRD-8F8M**	196	
POTM-3205 (3206D, 3206) 8AE **POTM-3214 (3215D, 3215) 8AE** **PEMB-3305-8AE** **+** **PORC-3225 (3226D, 3226) 8AE** **PORC-3234 (3235D, 3235) 8AE** **PEXT-3325-8AE**	1	**PTRD-6F6M**	170	
POTM-3205 (3206D, 3206) 8EE **POTM-3214 (3215D, 3215) 8EE** **PEMB-3305-8EE** **+** **PORC-3225 (3226D, 3226) 8EE** **PORC-3234 (3235D, 3235) 8EE** **PEXT-3325-8EE**	1	**PTRD-4F4M**	140	
	2	**PTRD-8F8M-1**	196	
Videoprocessors and master controls				
PDMX-2006, 2007 **PVDP-1006, 1007**	1	**PPM-16M**	186	*6 external stereo inputs*
	2	**PPM-8M**	186	*2 external stereo inputs per each device*
PCSW-3339AA	1	**PPM-4F4M**	140	
	2	**PPM-8F8M**	196	

Price list /Annex # 1/

Cable-less panels		Price	
1. 1U patch-panel, BNC connectors, no cabling	**PPB-16**	180	
2. 1U patch-panel, BNC connectors, no cabling	**PPB-8**	124	
3. patch-panel, XLR connectors, no cabling	**PPX-8F**	100	
4. patch-panel, XLR connectors, no cabling	**PPX-8M**	100	
5. patch-panel, XLR connectors, no cabling	**PPX-8MF**	144	
6. patch-panel, XLR connectors, no cabling	**PPX-16F**	156	
7. patch-panel, XLR connectors, no cabling	**PPX-16M**	138	
8. patch-panel, XLR connectors, no cabling	**PPX-12M4F**	144	
9. patch-panel, XLR connectors, no cabling	**PPX-4M12F**	144	

"PROFITT" Ltd, Russia, 194064, Saint-Petersburg, 14/2 Raevskogo av., office 5H.
Phone/Fax: +7(812) 297-71-20, 297-71-22, 297-51-93; e-mail: info@profitt.ru **web:** http://www.profitt.ru