

Artikelnummer	Benämning	Listpris	Rbt- typ	Rbt	Nettopris
	Chassis and Accessories				
MS-CH/A	MetroStar Chassis, 3U, 16 slots, including 2 AC Power Supplies, 6*BP-01, 1*BP-02, 19" Rack-mount bracket set	7 300,00	A	10%	6 570,00
MS-CH/D	MetroStar Chassis, 3U, 16 slots, including 2 DC Power Supplies (D-type connector), 6*BP-01, 1*BP-02, 19" Rack-mount bracket set	10 960,00	A	10%	9 870,00
MS-CH/D/ST	MetroStar Chassis, 3U, 16 slots, including 2 DC Power Supplies (screw terminal connector), 6*BP-01, 1*BP-02, 19" Rack-mount bracket set	10 960,00	A	10%	9 870,00
MS-CH/00	MetroStar Chassis, 3U, 16 slots,6*BP-01, 1*BP-02, 19" Rack-mount bracket set	3 760,00	A	10%	3 390,00
BP-01	Blank Panel for conversion / management slots	65,10	A	10%	58,60
BP-02	Blank Panel for Power Supply slots	139,00	A	10%	126,00
PMM	Power Monitor Module	585,00	A	10%	527,00
COT	Cable Organizer Tray	438,00	A	10%	395,00
FPS5033A	Redundant power supply, 100 to 240VAC, 50 to 60Hz for MetroStar, ATARA1000RM and F.CON6/12	2 190,00	A	10%	1 980,00
FPS5033D	Redundant power supply, D-type connector, -36 to -72 VDC for MetroStar, ATARA1000RM and F.CON6/12	4 380,00	A	10%	3 950,00
FPS5033D/ST	Redundant power supply, screw terminal connector, -36 to -72 VDC for MetroStar, ATARA1000RM and F.CON6/12	4 380,00	A	10%	3 950,00
MS-ET	ETSI Bracket Set (Left and Right) for MetroStar chassis	599,00	A	10%	540,00
CBPS-DC48V	DC Power Supply cable, 2m, for FPS5033D DC P.S	585,00	A	10%	527,00
MS-FC1	Fixed MetroStar configuration comprising of 1xMS-CH/D/ST, 1xMMM-01, 4xMCM100-01SM, 2xBP-01	38 560,00	A	10%	34 710,00
MS-FC2	Fixed MetroStar configuration comprising of 1xMS-CH/D/ST, 1xMMM-01, 1xFPS5033D/ST, 6xBP-01	18 840,00	A	10%	16 960,00
	Management Modules				
MMM-01	Management Module for one MetroStar System	3 660,00	A	10%	3 300,00
MMM-02	Management Module for 8 MetroStar Systems - MASTER	5 040,00	A	10%	4 540,00
MMM-03	Management Module for MetroStar Systems - SLAVE	2 190,00	A	10%	1 980,00
	100Base-TX to 100Base-FX Converter Modules				
MCM100-01SC	Single Channel 100Base-TX to FX converter, Multi-mode 2km, Dual SC connectors, MA	2 920,00	A	10%	2 630,00
MCM100-01ST	Single Channel 100Base-TX to FX converter, Multi-mode 2km,1310nm, Dual ST connectors, MA	2 920,00	A	10%	2 630,00
MCM100-01MT	Single Channel 100Base-TX to FX converter, Multi-mode 2km,1310nm, Dual MTRJ connectors, MA	3 360,00	A	10%	3 030,00
MCM100-01SMR7	Single Channel 100Base-TX to FX converter, Single-mode 7km,1310nm, Dual SC connectors, MA	4 020,00	A	10%	3 620,00

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MCM100-01SMR	Single Channel 100Base-TX to FX converter, Single-mode 15km,1310nm, Dual SC connectors, MA	5 260,00	A	10%	4 740,00
MCM100-01SM	Single Channel 100Base-TX to FX converter, Single-mode 25km,1310nm, Dual SC connectors, MA	5 990,00	A	10%	5 400,00
MCM100-01SML	Single Channel 100Base-TX to FX converter, Single-mode 40km,1310nm, Dual SC connectors, MA	8 260,00	A	10%	7 440,00
MCM100-01SML2	Single Channel 100Base-TX to FX converter, Single-mode 70km,1310nm, Dual SC connectors, MA	9 350,00	A	10%	8 420,00
MCM100-01SML3	Single Channel 100Base-TX to FX converter, Single-mode 100km,1550nmDFB, Dual SC connectors, MA	24 830,00	A	10%	22 350,00
MCM100-01SMLX	Single Channel 100Base-TX to FX converter, Single-mode 150km,1550nmDFB, Dual SC connectors, MA	27 750,00	A	10%	24 980,00
MCM100-01SMRF15	Single Channel 100Base-TX to FX converter, SM ,Single Fiber Strand, 1550nm Tx, 20km, simplex SC , MA	10 810,00	A	10%	9 730,00
MCM100-01SMLF15	Single Channel 100Base-TX to FX converter, SM ,Single Fiber Strand, 1550nm DFB Tx, 40km, simplex SC , MA	16 070,00	A	10%	14 470,00
MCM100-01SMXF15	Single Channel 100Base-TX to FX converter, SM ,Single Fiber Strand, 1550nm DFB Tx, 80km, simplex SC , MA	30 600,00	A	10%	27 540,00
MCM100-02SC	Dual Channel 100Base-TX to FX converter, Multi-mode 2km, Dual SC connectors, MA	4 530,00	A	10%	4 080,00
MCM100-02ST	Dual Channel 100Base-TX to FX converter, Multi-mode 2km,1310nm, Dual ST connectors, MA	4 530,00	A	10%	4 080,00
MCM100-02MT	Dual Channel 100Base-TX to FX converter, Multi-mode 2km,1310nm, Dual MTRJ connectors, MA	5 300,00	A	10%	4 770,00
MCM100-02SMR7	Dual Channel 100Base-TX to FX converter, Single-mode 7km,1310nm, Dual SC connectors, MA	7 230,00	A	10%	6 510,00
MCM100-02SMR	Dual Channel 100Base-TX to FX converter, Single-mode 15km,1310nm, Dual SC connectors, MA	8 980,00	A	10%	8 090,00
MCM100-02SM	Dual Channel 100Base-TX to FX converter, Single-mode 25km,1310nm, Dual SC connectors, MA	10 520,00	A	10%	9 470,00
MCM100-02SML	Dual Channel 100Base-TX to FX converter, Single-mode 40km,1310nm, Dual SC connectors, MA	14 240,00	A	10%	12 820,00
MCM100-02SML2	Dual Channel 100Base-TX to FX converter, Single-mode 70km,1310nm, Dual SC connectors, MA	16 430,00	A	10%	14 790,00
MCM100-02SML3	Dual Channel 100Base-TX to FX converter, Single-mode 100km,1550nmDFB, Dual SC connectors, MA	42 350,00	A	10%	38 120,00
MCM100-02SMLX	Dual Channel 100Base-TX to FX converter, Single-mode 150km,1550nmDFB, Dual SC connectors, MA	45 270,00	A	10%	40 750,00

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MCM100-02SMRF15	Dual Channel 100Base-TX to FX converter, SM, Single Fiber Strand, 1550nm Tx, 20km, simplex SC , MA	20 080,00	A	10%	18 080,00
	10/100Base-TX to 100Base-FX Modules				
MCM110-01SC	Single Channel 10/100Base-TX/FX converter, Multi-mode 2km, Dual SC connectors, MA	3 800,00	A	10%	3 420,00
MCM110-01ST	Single Channel 10/100Base-TX/FX converter, Multi-mode 2km,1310nm, Dual ST connectors, MA	3 800,00	A	10%	3 420,00
MCM110-01MT	Single Channel 10/100Base-TX/FX converter, Multi-mode 2km,1310nm, Dual MTRJ connectors, MA	4 170,00	A	10%	3 760,00
MCM110-01SMR7	Single Channel 10/100Base-TX/FX converter, Single-mode 7km,1310nm, Dual SC connectors, MA	4 820,00	A	10%	4 340,00
MCM110-01SMR	Single Channel 10/100Base-TX/FX converter, Single-mode 15km,1310nm, Dual SC connectors, MA	5 990,00	A	10%	5 400,00
MCM110-01SMR/T	Single Channel 10/100Base-TX/FX converter, Single-mode 15km,1310nm, Dual ST connectors, MA	5 990,00	A	10%	5 400,00
MCM110-01SM	Single Channel 10/100Base-TX/FX converter, Single-mode 25km,1310nm, Dual SC connectors, MA	6 800,00	A	10%	6 120,00
MCM110-01SML	Single Channel 10/100Base-TX/FX converter, Single-mode 40km,1310nm, Dual SC connectors, MA	9 130,00	A	10%	8 220,00
MCM110-01SML2	Single Channel 10/100Base-TX/FX converter, Single-mode 70km,1310nm, Dual SC connectors, MA	10 220,00	A	10%	9 200,00
MCM110-01SML3	Single Channel 10/100Base-TX/FX converter, Single-mode 100km,1550nmDFB, Dual SC connectors, MA	25 560,00	A	10%	23 010,00
MCM110-01SMLX	Single Channel 10/100Base-TX/FX converter, Single-mode 150km,1550nmDFB, Dual SC connectors, MA	29 210,00	A	10%	26 290,00
MCM110-01SMRF15	Single Channel 10/100Base-TX/FX converter, SM ,Single Fiber Strand, 1550nm Tx, 20km, simplex SC , MA	11 690,00	A	10%	10 530,00
MCM110-01SMLF15	Single Channel 10/100Base-TX/FX converter, SM ,Single Fiber Strand, 1550nm DFB Tx, 40km, simplex SC , MA	16 940,00	A	10%	15 250,00
MCM110-01SMXF15	Single Channel 10/100Base-TX/FX converter, SM ,Single Fiber Strand, 1550nm DFB Tx, 80km, simplex SC , MA	31 980,00	A	10%	28 790,00
MCM110-01SMRF1313	Single Channel 10/100Base-TX/FX converter, SM ,Single Fiber Strand, 1310nm Tx&Rx, 20km, simplex SC , MA	11 690,00	A	10%	10 530,00
MCM110-02SC	Dual Channel 10/100Base-TX/FX converter, Multi-mode 2km, Dual SC connectors, MA	5 850,00	A	10%	5 270,00
MCM110-02ST	Dual Channel 10/100Base-TX/FX converter, Multi-mode 2km,1310nm, Dual ST connectors, MA	5 850,00	A	10%	5 270,00

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MCM110-02MT	Dual Channel 10/100Base-TX/FX converter, Multi-mode 2km,1310nm, Dual MTRJ connectors, MA	6 580,00	A	10%	5 930,00
MCM110-02SMR7	Dual Channel 10/100Base-TX/FX converter, Single-mode 7km,1310nm, Dual SC connectors, MA	8 620,00	A	10%	7 760,00
MCM110-02SMR	Dual Channel 10/100Base-TX/FX converter, Single-mode 15km,1310nm, Dual SC connectors, MA	10 520,00	A	10%	9 470,00
MCM110-02SM	Dual Channel 10/100Base-TX/FX converter, Single-mode 25km,1310nm, Dual SC connectors, MA	11 900,00	A	10%	10 710,00
MCM110-02SML	Dual Channel 10/100Base-TX/FX converter, Single-mode 40km,1310nm, Dual SC connectors, MA	15 700,00	A	10%	14 130,00
MCM110-02SML2	Dual Channel 10/100Base-TX to FX converter, Single-mode 70km,1310nm, Dual SC connectors, MA	17 890,00	A	10%	16 110,00
MCM110-02SML3	Dual Channel 10/100Base-TX to FX converter, Single-mode 100km,1550nmDFB, Dual SC connectors, MA	43 810,00	A	10%	39 430,00
MCM110-02SMLX	Dual Channel 10/100Base-TX/FX converter, Single-mode 150km,1550nmDFB, Dual SC connectors, MA	47 460,00	A	10%	42 720,00
MCM110-02SMRF15	Dual Channel 10/100Base-TX/FX converter, Single-mode ,Single Fiber Strand, 1550nm Tx, 20km, simplex SC, MA	20 810,00	A	10%	18 730,00
	Aggregating Converter Modules				
ACM-110-12SMR	2:1 Aggregating Converter, single-mode 1310nm,15km 2 LC connectors to 1 10/100Base-TX, MA	8 770,00	A	10%	7 900,00
ACM-110-12SM	2:1 Aggregating Converter, single-mode 1310nm,25km 2 LC connectors to 1 10/100Base-TX, MA	10 370,00	A	10%	9 340,00
ACM-110-14SMR7	4:1 Aggregating Converter, single-mode 1310nm,7km, 4 LC connectors to 1 10/100Base-TX, MA	16 430,00	A	10%	14 790,00
ACM-110-14SM	4:1 Aggregating Converter, single-mode 1310nm,25km, 4 LC connectors to 1 10/100Base-TX, MA	17 890,00	A	10%	16 110,00
ACM-110-12SMRF15	2:1 Aggregating Converter, 2 Single Fiber Strand 1550nm Tx,20km,simplex SC connectors to 1 10/100Base-TX, MA	21 180,00	A	10%	19 070,00
ACM-110-14SMRF15	4:1 Aggregating Converter, 4 Single Fiber Strand 1550nm Tx,20km,simplex SC connectors to 1 10/100Base-TX, MA	32 860,00	A	10%	29 580,00
	Multi-Mode to Single Mode Converter Modules				
MSM100U-SMR7	Universal (100FX/ATM/OC3) Conversion Module, Multi Mode to Single Mode 1310nm,7km 2*dual SC	5 040,00	A	10%	4 540,00
MSM100U-SMR	Universal (100FX/ATM/OC3) Conversion Module, Multi Mode to Single Mode 1310nm,15km 2*dual SC	6 210,00	A	10%	5 590,00
MSM100U-SM	Universal (100FX/ATM/OC3) Conversion Module, Multi Mode to Single Mode 1310nm,25km 2*dual SC	7 010,00	A	10%	6 310,00

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MSM100U-SML	Universal (100FX/ATM/OC3) Conversion Module, Multi Mode to Single Mode 1310nm,40km 2*dual SC	9 130,00	A	10%	8 220,00
MSM100U-SML2	Universal (100FX/ATM/OC3) Conversion Module, Multi Mode to Single Mode 1310nm,70km 2*dual SC	17 890,00	A	10%	16 110,00
MSM100U-SML3	Universal (100FX/ATM/OC3) Conversion Module, Multi Mode to Single Mode 1550nm DFB, 100km,2*dual SC	25 560,00	A	10%	23 010,00
MSM100U-SMLX	Universal (100FX/ATM/OC3) Conversion Module, Multi Mode to Single Mode 1550nm DFB,150km, 2*dual SC	29 210,00	A	10%	26 290,00
MSM100U-SMRF13	Universal (100FX/ATM/OC3) Conversion Module, Multi Mode to Single Mode Single Fiber Strand 1310nm Tx,20km, 1 single+ 1 dual SC	14 610,00	A	10%	13 150,00
MSM100U-SMRF15	Universal (100FX/ATM/OC3) Conversion Module, MM to SM fiber Single Fiber Strand 1550nm Tx,20km, 1 single+ 1dual SC	16 070,00	A	10%	14 470,00
MSM100U-SME	Universal (100FX/ATM/OC3) Module, SM to SM fiber Extender 1310nm,7km to 25km ,2*dual SC	8 770,00	A	10%	7 900,00
MSM100U-SME-7-7	Universal (100FX/ATM/OC3) Module, SM to SM fiber Extender 1310nm,7km to 7km ,2*dual SC	7 300,00	A	10%	6 570,00
MSM100U-SME-L1-1	Universal (100FX/ATM/OC3) Module, SM to SM fiber Extender 1310nm,40km to 40km ,2*dual SC	14 020,00	A	10%	12 620,00
MSM100U-SME-L3-3	Universal (100FX/ATM/OC3) Module,SM to SM fiber Extender 1550nm DFB,100km to 100km ,2*dual SC	46 730,00	A	10%	42 060,00
MSM622U-SM	Multi-Mode 1310nm to Single-Mode 1310nm ATM/OC12/STM-4 Media Converter ,20km,,2*dual SC	10 960,00	A	10%	9 870,00
MSM622U-SML	Multi-Mode 1310nm to Single-Mode 1550nm DFB ATM/OC12/STM-4 Media Converter ,40km, 2*dual SC	21 180,00	A	10%	19 070,00
MSM622U-SML2	Multi-Mode 1310nm to Single-Mode 1550nm DFB ATM/OC12/STM-4 Media Converter ,80km, 2*dual SC	32 130,00	A	10%	28 920,00
MSM622U-SME-SM-SM	Single-Mode 1310nm 10km to Single-Mode 1310nm ATM/OC12/STM-4 extender ,20km, 2*dual SC	14 610,00	A	10%	13 150,00
MSM622U-SME-SM-L	Single-Mode 1310nm 10km to Single-Mode 1550nm DFB ATM/OC12/STM-4 extender ,40km, 2*dual SC	25 190,00	A	10%	22 680,00
MSM622U-SME-SM-L2	Single-Mode 1310nm 10km to Single-Mode 1550nm DFB ATM/OC12/STM-4 extender ,80km, 2*dual SC	35 050,00	A	10%	31 550,00
MSM2500U	Universal Extender module, 100Mbps to 2.5Gbps, includes 2 SFP slots, use SFP transceiver (SFxG series) - refer to Part 4-Section 409 (Only FibroLAN SFP transceivers can be used)	3 660,00	A	10%	3 300,00
	GBE Converter Modules				
MCM1000T-S	1000T to 1000SX 850nm m/m Conversion Module, 220m duplex SC, MA	4 380,00	A	10%	3 950,00
MCM1000T-LX1	1000T to 1000LX 1310nm Conversion Module, 10km. duplex SC, MA	8 770,00	A	10%	7 900,00

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MCM1000T-LX2	1000T to 1000LX 1310nm Conversion Module, 20km (over G.652 fiber). duplex SC, MA	14 240,00	A	10%	12 820,00
MCM1000T-LX3	1000T to 1000LX 1550nmDFB Conversion Module,40km. duplex SC, MA	23 370,00	A	10%	21 040,00
MCM1000T-LX4	1000T to 1000LX 1550nmDFB Conversion Module, 80km. duplex SC, MA	43 810,00	A	10%	39 430,00
MCM1000T-LX5	1000T to 1000LX 1550nm DFB/APD Conversion Module, 120km. duplex SC, MA	62 060,00	A	10%	55 860,00
MCM1000T-LXF13	1000T to 1000LX, SFS, 1310nm Tx / 1550nm Rx Conversion Module, 20km(over G.652 fiber) simplex SC, MA	16 070,00	A	10%	14 470,00
MCM1000T-LXF15	1000T to 1000LX SFS 1550nm DFB Tx / 1310nm Rx Conversion Module, 20km(over G.652 fiber), simplex SC, MA	23 370,00	A	10%	21 040,00
MCM1000T-ZXF13	1000T to 1000LX SFS 1310nm DFB Tx / 1550nm Rx Conversion Module, 40km(over G.652 fiber).simplex SC, MA	17 530,00	A	10%	15 780,00
MCM1000T-ZXF15	1000T to 1000LX Single Fiber Strand (SFS) 1550nmDFB Tx / 1310nm Rx Conversion Module, 40km (over G.652 fiber), simplex SC, MA	26 290,00	A	10%	23 670,00
MCM1000S-LX1	1000SX multi-mode 850nm,220m, to 1000LX single mode 1310nm Conversion Module, 10km. 2*duplex SC, MA	9 490,00	A	10%	8 550,00
MCM1000S-LX2	1000SX multi-mode 850nm,220m, to 1000LX single mode 1310nm Conversion Module, 20km(over G.652 fiber). 2*duplex SC, MA	16 800,00	A	10%	15 120,00
MCM1000S-LX3	1000SX multi-mode 850nm,220m, to 1000LX single mode 1550nm DFB Conversion Module, 40km.2*duplex SC,MA	24 100,00	A	10%	21 690,00
MCM1000S-LX4	1000SX multi-mode 850nm,220m, to 1000LX single mode 1550nm DFB Conversion Module, 80km.2*duplex SC, MA	46 730,00	A	10%	42 060,00
MCM1000S-LXF13	1000SX multi-mode 850nm,220m, to 1000LX Single Fiber Strand 1310nm Tx/ 1550nm Rx Conversion Module, 20km (over G.652 fiber).1xduplex/1xsimplex SC, MA	18 260,00	A	10%	16 440,00
MCM1000S-LXF15	1000SX multi-mode 850nm,220m, to 1000LX Single Fiber Strand 1550nm DFB Tx/ 1310nm Rx Conversion Module, 20km (over G.652 fiber). 1xduplex/1xsimplex SC, MA	24 100,00	A	10%	21 690,00
MCM1000S-ZXF13	1000SX multi-mode 850nm,220m, to 1000LX Single Fiber Strand 1310nm DFB Tx/ 1550nm Rx Conversion Module, 40km (over G.652 fiber). 1xduplex/1xsimplex SC, MA	19 720,00	A	10%	17 750,00
MCM1000S-ZXF15	1000SX multi-mode 850nm,220m, to 1000LX Single Fiber Strand 1550nmDFB Tx/ 1310nm Rx Conversion Module, 40km (over G.652 fiber). 1xduplex/1xsimplex SC, MA	27 020,00	A	10%	24 320,00
MCM1000L-LX1-2	1000LX single -mode 1310nm,10km, to 1000LX single mode 1310nm Extender Module, 20km (over G.652 fiber). 2*duplex SC, MA	21 910,00	A	10%	19 720,00
MCM1000L-LX1-3	1000LX single -mode 1310nm,10km, to 1000LX single mode 1550nm DFB Extender Module, 40km. 2*duplex SC, MA	32 860,00	A	10%	29 580,00

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MCM1000L-LX1-4	1000LX single -mode 1310nm,10km, to 1000LX single mode 1550nm DFB Extender Module,80km 2*duplex SC,MA	52 570,00	A	10%	47 320,00
MCM1000L-LX3-3	1000LX single -mode 1550nm DFB,40km, to 1000LX SM 1550nm DFB Extender Module,40km.2*duplex SC,MA	43 810,00	A	10%	39 430,00
MCM1000L-LX4-4	1000LX SM 1550nm DFB,80km, to 1000LX SM 1550nm DFB Extender Module, 80km 2*duplex SC, MA	83 970,00	A	10%	75 580,00
MCM1000L-LX4-5	1000LX single -mode 1550nm DFB, 80km, to 1000LX single mode 1550nm DFB/APD 120km Extender Module, 2*duplex SC, MA	101 490,00	A	10%	91 350,00
MCM1000X	Flexible Gigabit Ethernet conversion module for MetroStar with 2 SFP modular ports, each may accept any FibroLAN copper or fiber SFP transceiver, MA	5 040,00	A	10%	4 540,00
MCM1000X-RL	Any to Any link protection Gigabit Ethernet conversion module for MetroStar with 4 SFP modular ports, each may accept any FibroLAN copper or fiber SFP transceiver, MA	10 880,00	A	10%	9 800,00
MCM1000X-RL-4E1	Any to Any link protection Gigabit Ethernet conversion module for MetroStar with 4 SFP modular ports, each may accept any FibroLAN copper or fiber SFP transceiver and 4 E1 channels tunneled over GBE, 4*RJ-45 ports, MA, dual slot (intraoperating with GTA8200-4E1	15 270,00	A	10%	13 750,00
MCM1000X-RL-4T1	Any to Any link protection Gigabit Ethernet conversion module for MetroStar with 4 SFP modular ports, each may accept any FibroLAN copper or fiber SFP transceiver and 4 T1 channels tunneled over GBE, 4*RJ-45 ports, MA, dual slot (intraoperating with GTA8200-4T1	15 270,00	A	10%	13 750,00
PDH integrated Fast Ethernet Modules					
MCM100-1E1SC	Single Channel 100Base-TX to FX converter and one tunneled E1, RJ48, Multi-mode 2km, Dual SC connectors, MA	5 480,00	A	10%	4 940,00
MCM100-1E1SMR7	Single Channel 100Base-TX to FX converter and one tunneled E1, RJ48, Single-mode 7km,1310nm, Dual SC connectors, MA	6 580,00	A	10%	5 930,00
MCM100-1E1SMR	Single Channel 100Base-TX to FX converter and one tunneled E1, RJ48, Single-mode 15km,1310nm, Dual SC connectors, MA	7 600,00	A	10%	6 840,00
MCM100-1E1SM	Single Channel 100Base-TX to FX converter and one tunneled E1, RJ48, Single-mode 25km,1310nm, Dual SC connectors, MA	8 400,00	A	10%	7 560,00
MCM100-1E1SML	Single Channel 100Base-TX to FX converter and one tunneled E1, RJ48, Single-mode 40km,1310nm, Dual SC connectors, MA	10 590,00	A	10%	9 540,00
MCM100-1E1SML2	Single Channel 100Base-TX to FX converter and one tunneled E1, RJ48, Single-mode 70km,1310nm, Dual SC connectors, MA	11 690,00	A	10%	10 530,00
MCM100-1E1SMRF15	Single Channel 100Base-TX to FX converter and one tunneled E1, RJ48, SM ,SFS, 1550nm Tx, 20km,simplex SC , MA	16 510,00	A	10%	14 860,00

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MCM100-2E1SC	Single Channel 100Base-TX to FX converter and two tunneled E1, RJ48, Multi-mode 2km, Dual SC connectors, MA	7 740,00	A	10%	6 970,00
MCM100-2E1SMR7	Single Channel 100Base-TX to FX converter and two tunneled E1, RJ48, Single-mode 7km,1310nm, Dual SC connectors, MA	8 770,00	A	10%	7 900,00
MCM100-2E1SMR	Single Channel 100Base-TX to FX converter and two tunneled E1, RJ48, Single-mode 15km,1310nm, Dual SC connectors, MA	9 930,00	A	10%	8 940,00
MCM100-2E1SM	Single Channel 100Base-TX to FX converter and two tunneled E1, RJ48, Single-mode 25km,1310nm, Dual SC connectors, MA	10 670,00	A	10%	9 610,00
MCM100-2E1SML	Single Channel 100Base-TX to FX converter and two tunneled E1, RJ48, Single-mode 40km,1310nm, Dual SC connectors, MA	12 930,00	A	10%	11 640,00
MCM100-2E1SML2	Single Channel 100Base-TX to FX converter and two tunneled E1, RJ48, Single-mode 70km,1310nm, Dual SC connectors, MA	14 020,00	A	10%	12 620,00
MCM100-2E1SML3	Single Channel 100Base-TX to FX converter and two tunneled E1, RJ48, Single-mode 100km,1550nm DFB, Dual SC connectors, MA	29 210,00	A	10%	26 290,00
MCM100-2E1SMRF15	Single Channel 100Base-TX to FX converter and two tunneled E1, RJ48, SM ,SFS , 1550nm Tx, 20km, simplex SC , MA	15 480,00	A	10%	13 940,00
MCM100-1T1SC	Single Channel 100Base-TX to FX converter and one tunneled T1, RJ48, Multi-mode 2km, Dual SC connectors, MA	5 480,00	A	10%	4 940,00
MCM100-1T1SMR7	Single Channel 100Base-TX to FX converter and one tunneled T1, RJ48, Single-mode 7km,1310nm, Dual SC connectors, MA	6 580,00	A	10%	5 930,00
MCM100-2T1SMR7	Single Channel 100Base-TX to FX converter and two tunneled T1, RJ48, Single-mode 7km,1310nm, Dual SC connectors, MA	8 770,00	A	10%	7 900,00
MCM100-2T1SMR	Single Channel 100Base-TX to FX converter and two tunneled T1, RJ48, Single-mode 15km,1310nm, Dual SC connectors, MA	9 930,00	A	10%	8 940,00
MCM100-1T1SMR	Single Channel 100Base-TX to FX converter and one tunneled T1, RJ48, Single-mode 15km,1310nm, Dual SC connectors, MA	7 600,00	A	10%	6 840,00
MCM100-1T1SM	Single Channel 100Base-TX to FX converter and one tunneled T1, RJ48, Single-mode 25km,1310nm, Dual SC connectors, MA	8 330,00	A	10%	7 500,00
MCM100-2T1SMRF15	Single Channel 100Base-TX to FX converter and two tunneled T1, RJ48, SM ,SFS , 1550nm Tx, 20km, simplex SC , MA	15 480,00	A	10%	13 940,00
MCM100-4E1SC	Single Channel 100Base-TX to FX converter and four tunneled E1, RJ48, Multi mode 2km,1310nm, Dual SC connectors, MA	11 320,00	A	10%	10 190,00
MCM100-4E1SMR7	Single Channel 100Base-TX to FX converter and four tunneled E1, RJ48, Single-mode 7km,1310nm, Dual SC connectors, MA	12 420,00	A	10%	11 180,00
MCM100-4E1SMR	Single Channel 100Base-TX to FX converter and four tunneled E1, RJ48, Single-mode 15km,1310nm, Dual SC connectors, MA	13 590,00	A	10%	12 240,00
MCM100-4E1SM	Single Channel 100Base-TX to FX converter and four tunneled E1, RJ48, Single-mode 25km,1310nm, Dual SC connectors, MA	14 310,00	A	10%	12 880,00

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MCM100-4E1SML	Single Channel 100Base-TX to FX converter and four tunneled E1, RJ48, Single-mode 40km,1310nm, Dual SC connectors, MA	16 210,00	A	10%	14 590,00
MCM100-4E1SML2	Single Channel 100Base-TX to FX converter and four tunneled E1, RJ48, Single-mode 70km,1310nm, Dual SC connectors, MA	17 670,00	A	10%	15 910,00
MCM100-4E1SML3	Single Channel 100Base-TX to FX converter and four tunneled E1, RJ48, Single-mode 100km,1550nm DFB, Dual SC connectors, MA	32 860,00	A	10%	29 580,00
MCM100-4E1SMRF15	Single Channel 100Base-TX to FX converter and four tunneled E1, RJ48, SM ,SFS , 1550nm Tx, 20km, simplex SC , MA	19 130,00	A	10%	17 220,00
MCM100-4E1SMCXX	Single Channel 100Base-TX to FX converter and four tunneled E1, RJ48, SM CWDM, Wavelength=1xx1nm, 80km SC , MA	34 680,00	A	10%	31 220,00
MCM100-4T1SC	Single Channel 100Base-TX to FX converter and four tunneled T1, RJ48, Multi mode 2km,1310nm, Dual SC connectors, MA	11 320,00	A	10%	10 190,00
MCM100-4T1SMR7	Single Channel 100Base-TX to FX converter and four tunneled T1, RJ48, Single-mode 7km,1310nm, Dual SC connectors, MA	12 420,00	A	10%	11 180,00
MCM100-4T1SMR	Single Channel 100Base-TX to FX converter and four tunneled T1, RJ48, Single-mode 15km,1310nm, Dual SC connectors, MA	13 590,00	A	10%	12 240,00
MCM100-4T1SM	Single Channel 100Base-TX to FX converter and four tunneled T1, RJ48, Single-mode 25km,1310nm, Dual SC connectors, MA	14 310,00	A	10%	12 880,00
MCM100-4T1SML	Single Channel 100Base-TX to FX converter and four tunneled T1, RJ48, Single-mode 40km,1310nm, Dual SC connectors, MA	16 210,00	A	10%	14 590,00
MCM100-4T1SML2	Single Channel 100Base-TX to FX converter and four tunneled T1, RJ48, Single-mode 70km,1310nm, Dual SC connectors, MA	17 670,00	A	10%	15 910,00
MCM100-4T1SML3	Single Channel 100Base-TX to FX converter and four tunneled T1, RJ48, Single-mode 100km,1550nm DFB, Dual SC connectors, MA	32 860,00	A	10%	29 580,00
MCM100-4T1SMRF15	Single Channel 100Base-TX to FX converter and four tunneled T1, RJ48, SM ,SFS , 1550nm Tx, 20km, simplex SC , MA	19 130,00	A	10%	17 220,00
PCM110-4E1	Inverse PDH Multiplexer, transporting 10/100 TX over 4 E1 channels; 1+4 RJ-45 ports, dual slot module	16 720,00	A	10%	15 050,00
PCM110-8E1	Inverse PDH Multiplexer, transporting 10/100 TX over 8 E1 channels; 1+8 RJ-45 ports , dual slot module	26 950,00	A	10%	24 260,00
PCM110-4T1	Inverse PDH Multiplexer, transporting 10/100 TX over 4 T1 channels; 1+4 RJ-45 ports, dual slot module	13 080,00	A	10%	11 780,00
PCM110-8T1	Inverse PDH Multiplexer, transporting 10/100 TX over 8 T1 channels; 1+8 RJ-45 ports , dual slot module	19 640,00	A	10%	17 680,00
100Base-TX to 100Base-FX Redundant Link Modules					
MCM100-RLSC	Redundant Link 100Base-TX to FX converter, Multi-mode 2km, 2 duplex SC + 2 RJ45 connectors, MA	5 990,00	A	10%	5 400,00

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MCM100-RLSMR7	Redundant Link 100Base-TX to FX converter, Single-mode 1310nm, 7km, * duplex SC + 2 RJ45 connectors,MA	8 770,00	A	10%	7 900,00
MCM100-RLSMR	Redundant Link 100Base-TX to FX converter, Single-mode 1310nm,15km, 2* duplex SC + 2 RJ45 connectors,MA	10 590,00	A	10%	9 540,00
MCM100-RLSM	Redundant Link 100Base-TX to FX converter, Single-mode 1310nm, 25km, 2 *duplex SC + 2 RJ45 connectors,MA	12 050,00	A	10%	10 850,00
MCM100-RLSML	Redundant Link 100Base-TX to FX converter, Single-mode 1310nm, 40km, 2* duplex SC + 2 RJ45 connectors,MA	16 070,00	A	10%	14 470,00
MCM100-RLSML2	Redundant Link 100Base-TX to FX converter, Single-mode 1310nm, 70km, 2* duplex SC + 2 RJ45 connectors,MA	24 100,00	A	10%	21 690,00
MCM100-RLSML3	Redundant Link 100Base-TX to FX converter, Single-mode 1550nm, DFB, 100km, 2* duplex SC + 2 RJ45 connectors,MA	43 810,00	A	10%	39 430,00
MCM100-RLSMLX	Redundant Link 100Base-TX to FX converter, Single-mode 1550nm, DFB, 150km, 2 *duplex SC + 2 RJ45 connectors,MA	47 460,00	A	10%	42 720,00
MCM100-RLSMRF15	Redundant Link 100Base-TX to FX converter, Single-mode Single Fiber Strand 1550nm Tx, 1310nm Rx, 20km, 2* simplex SC + 2 RJ45 connectors,MA	27 020,00	A	10%	24 320,00
	CWDM Transponders Modules				
MCM1000T-ZX3C47	CWDM 1000T to 1000ZX 1471nm Conversion Module, 40km. duplex SC, MA	26 290,00	A	10%	23 670,00
MCM1000T-ZX3C51	CWDM 1000T to 1000ZX 1511nm Conversion Module, 40km. duplex SC, MA	26 290,00	A	10%	23 670,00
MCM1000T-ZX3C55	CWDM 1000T to 1000ZX 1551nm Conversion Module, 40km. duplex SC, MA	26 290,00	A	10%	23 670,00
MCM1000T-ZX3C59	CWDM 1000T to 1000ZX 1591nm Conversion Module, 40km. duplex SC, MA	26 290,00	A	10%	23 670,00
MCM1000T-ZX4C47	CWDM 1000T to 1000ZX 1471nm Conversion Module, 80km. duplex SC, MA	44 540,00	A	10%	40 090,00
MCM1000T-ZX4C51	CWDM 1000T to 1000ZX 1511nm Conversion Module, 80km. duplex SC, MA	44 540,00	A	10%	40 090,00
MCM1000T-ZX4C55	CWDM 1000T to 1000ZX 1551nm Conversion Module, 80km. duplex SC, MA	44 540,00	A	10%	40 090,00
MCM1000T-ZX4C59	CWDM 1000T to 1000ZX 1591nm Conversion Module, 80km. duplex SC, MA	44 540,00	A	10%	40 090,00
MCM1000S-ZX3C47	CWDM 1000SX 850nm to 1000ZX 1471nm Conversion Module, 40km. 2*duplex SC, MA	27 020,00	A	10%	24 320,00
MCM1000S-ZX3C51	CWDM 1000SX 850nm to 1000ZX 1511nm Conversion Module, 40km. 2*duplex SC, MA	27 020,00	A	10%	24 320,00

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MCM1000S-ZX3C55	CWDM 1000SX 850nm to 1000ZX 1551nm Conversion Module, 40km. 2*duplex SC, MA	27 020,00	A	10%	24 320,00
MCM1000S-ZX3C59	CWDM 1000SX 850nm to 1000ZX 1591nm Conversion Module, 40km. 2*duplex SC, MA	27 020,00	A	10%	24 320,00
MCM1000S-ZX4C47	CWDM 1000SX 850nm to 1000ZX 1471nm Conversion Module, 80km. 2*duplex SC, MA	47 460,00	A	10%	42 720,00
MCM1000S-ZX4C51	CWDM 1000SX 850nm to 1000ZX 1511nm Conversion Module, 80km. 2*duplex SC, MA	47 460,00	A	10%	42 720,00
MCM1000S-ZX4C55	CWDM 1000SX 850nm to 1000ZX 1551nm Conversion Module, 80km. 2*duplex SC, MA	47 460,00	A	10%	42 720,00
MCM1000S-ZX4C59	CWDM 1000SX 850nm to 1000ZX 1591nm Conversion Module, 80km. 2*duplex SC, MA	47 460,00	A	10%	42 720,00
MCM1000L1-ZX3C47	CWDM 1000LX 1310nm 10km to 1000ZX 1471nm extension/"tinting" Module, 40km. 2*duplex SC, MA	29 210,00	A	10%	26 290,00
MCM1000L1-ZX3C51	CWDM 1000LX 1310nm 10km to 1000ZX 1511nm extension/"tinting" Module, 40km. 2*duplex SC, MA	29 210,00	A	10%	26 290,00
MCM1000L1-ZX3C55	CWDM 1000LX 1310nm 10km to 1000ZX 1551nm extension/"tinting" Module, 40km. 2*duplex SC, MA	29 210,00	A	10%	26 290,00
MCM1000L1-ZX3C59	CWDM 1000LX 1310nm 10km to 1000ZX 1591nm extension/"tinting" Module, 40km. 2*duplex SC, MA	29 210,00	A	10%	26 290,00
MCM1000L1-ZX4C47	CWDM 1000LX 1310nm 10km to 1000ZX 1471nm extension/"tinting" Module, 80km. 2*duplex SC, MA	49 650,00	A	10%	44 690,00
MCM1000L1-ZX4C51	CWDM 1000LX 1310nm 10km to 1000ZX 1511nm extension/"tinting" Module, 80km. 2*duplex SC, MA	49 650,00	A	10%	44 690,00
MCM1000L1-ZX4C55	CWDM 1000LX 1310nm 10km to 1000ZX 1551nm extension/"tinting" Module, 80km. 2*duplex SC, MA	49 650,00	A	10%	44 690,00
MCM1000L1-ZX4C59	CWDM 1000LX 1310nm 10km to 1000ZX 1591nm extension/"tinting" Module, 80km. 2*duplex SC, MA	49 650,00	A	10%	44 690,00
MCM100-01LF3-C47	CWDM Single channel 100Base-TX to 100Base-FX, 1471nm Access/Conversion Module, 40km. 2*Duplex SC, MA	21 180,00	A	10%	19 070,00
MCM100-01LF3-C49	CWDM Single channel 100Base-TX to 100Base-FX, 1491nm Access/Conversion Module, 40km. 2*Duplex SC, MA	21 180,00	A	10%	19 070,00
MCM100-01LF3-C51	CWDM Single channel 100Base-TX to 100Base-FX, 1511nm Access/Conversion Module, 40km. 2*Duplex SC, MA	21 180,00	A	10%	19 070,00
MCM100-01LF3-C53	CWDM Single channel 100Base-TX to 100Base-FX, 1531nm Access/Conversion Module, 40km. 2*Duplex SC, MA	21 180,00	A	10%	19 070,00
MCM100-01LF3-C55	CWDM Single channel 100Base-TX to 100Base-FX, 1551nm Access/Conversion Module, 40km. 2*Duplex SC, MA	21 180,00	A	10%	19 070,00

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MCM100-01LF3-C57	CWDM Single channel 100Base-TX to 100Base-FX, 1571nm Access/Conversion Module, 40km. 2*Duplex SC, MA	21 180,00	A	10%	19 070,00
MCM100-01LF3-C59	CWDM Single channel 100Base-TX to 100Base-FX, 1591nm Access/Conversion Module, 40km. 2*Duplex SC, MA	21 180,00	A	10%	19 070,00
MCM100-01LF3-C61	CWDM Single channel 100Base-TX to 100Base-FX, 1611nm Access/Conversion Module, 40km. 2*Duplex SC, MA	21 180,00	A	10%	19 070,00
SNMP Managed 10/100 TX-FX, Single Channel - S.CONM/MA series					
S.CON1M/MA	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, multi-mode - 2km,SNMP Managed, MA enabled	8 400,00	A	10%	7 560,00
S.CON1M/MA/T	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), ST connectors, multi-mode - 2km, SNMP Managed, MA enabled	8 400,00	A	10%	7 560,00
S.CON1M/MA/SMR7	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode 1310nm - 7km , SNMP Managed , MA enabled	9 490,00	A	10%	8 550,00
S.CON1M/MA/SMR	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode 1310nm - 15km, SNMP Managed, MA enabled	11 320,00	A	10%	10 190,00
S.CON1M/MA/SM	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode 1310nm - 25km,SNMP Managed, MA enabled	12 420,00	A	10%	11 180,00
S.CON1M/MA/SM/L	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode 1310nm - 40km, SNMP Managed, MA enabled	13 510,00	A	10%	12 160,00
S.CON1M/MA/SM/L2	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode 1310nm - 70km, SNMP Managed, MA enabled	14 610,00	A	10%	13 150,00
S.CON1M/MA/SM/L3	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode - 100km, 1550nm DFB, SNMP Managed, MA enabled	30 670,00	A	10%	27 610,00
S.CON1M/MA/SM/LX	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode - 150km, 1550nm DFB, SNMP Managed, MA enabled	35 050,00	A	10%	31 550,00
S.CON1M/MA/SM/F1	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , simplex SC connector, single-mode - 20km, Single Fiber Strand, 1310nm Rx/Tx, SNMP Managed, MA enabled	21 910,00	A	10%	19 720,00

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S.CON1M/MA/SMRF13	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , simplex SC , single-mode - 20km, Single Fiber Strand, 1310nm Tx/1550Rx , SNMP Managed, MA enabled	14 610,00	A	10%	13 150,00
S.CON1M/MA/SMRF15	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , simplex SC , single-mode - 20km, Single Fiber Strand1550nm Tx /1310 Rx, SNMP Managed, MA enabled	16 070,00	A	10%	14 470,00
	10/100TX-FX singel chanel - H.CON/MA series				
H.CON/MA	MA managed 10/100 TX-FX converter/Access device, SC connectors, MM, 2km 1310nm	3 140,00	A	10%	2 830,00
H.CON/MA/T	MA managed 10/100 TX-FX converter/Access device, ST connectors, MM, 2km 1310nm	3 140,00	A	10%	2 830,00
H.CON/MA/SMR7	MA managed 10/100 TX-FX converter/Access device, SC connectors, SM 7km 1310nm	5 040,00	A	10%	4 540,00
H.CON/MA/SMR	MA managed 10/100 TX-FX converter/Access device, SC connectors, SM 15km 1310nm	6 430,00	A	10%	5 790,00
H.CON/MA/SMR/T	MA managed 10/100 TX-FX converter/Access device, ST connectors, SM 15km 1310nm	6 430,00	A	10%	5 790,00
H.CON/MA/SM	MA managed 10/100 TX-FX converter/Access device, SC connectors, SM 25km 1310nm	7 300,00	A	10%	6 570,00
H.CON/MA/SM-TL	MA managed 10/100 TX-FX converter/Access device, wall mountable, extended MTU support, SC connectors, SM 25km 1310nm	8 040,00	A	10%	7 240,00
H.CON/MA/SM-TL-48	MA managed 10/100 TX-FX converter/Access device, wall mountable, extended MTU support, SC connectors, SM 25km 1310nm, -48VDC PS, including 3m power cable	8 560,00	A	10%	7 710,00
H.CON/MA/SM/L	MA managed 10/100 TX-FX converter/Access device, SC connectors, SM 40km 1310nm	8 400,00	A	10%	7 560,00
H.CON/MA/SM/L2	MA managed 10/100 TX-FX converter/Access device, SC connectors, SM 70km 1310nm	9 490,00	A	10%	8 550,00
H.CON/MA/SM/L3	MA managed 10/100 TX-FX converter/Access device, SC connectors, SM 100km 1550nm DFB	24 830,00	A	10%	22 350,00
H.CON/MA/SM/LX	MA managed 10/100 TX-FX converter/Access device, SC connectors, SM 150km 1550nm DFB	29 210,00	A	10%	26 290,00
H.CON/MA/SMRF13	MA managed 10/100 TX-FX converter/Access device, simplex SC connector, SM 20km SINGLE FIBER STRAND 1310nm transmit/1550nm receive	9 490,00	A	10%	8 550,00
H.CON/MA/SMRF15	MA managed 10/100 TX-FX converter/Access device, simplex SC connector, SM 20km SINGLE FIBER STRAND 1550nm transmit/1310nm receive	10 960,00	A	10%	9 870,00

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H.CON/MA/SMRF13-TL	MA managed 10/100 TX-FX converter/Access device, wall mountable, extended MTU support, simplex SC connector, SM Single fiber strand, 1310nmTx/1550nmRx, 20km	10 220,00	A	10%	9 200,00
H.CON/MA/SMLF13-TL	MA managed 10/100 TX-FX converter/Access device, wall mountable, extended MTU support,simplex SC connector, SM Single fiber strand, 1310nmTx/1550nmRx, 40km	10 960,00	A	10%	9 870,00
H.CON/MA/SMXF13-TL	MA managed 10/100 TX-FX converter/Access device, wall mountable, extended MTU support,simplex SC connector, SM Single fiber strand, 1310nmTx/1550nmRx, 80km	29 140,00	A	10%	26 230,00
H.CON/MA/SMRF1313	MA managed 10/100 TX-FX converter/Access device, simplex SC connector, SM 20km SINGLE FIBER STRAND 1310nm Rx&Tx	12 780,00	A	10%	11 510,00
H.CON/MA/ETRX/SMLF13/PS48	MA managed 10/100 TX-FX converter/Access device, simplex SC connector, SM Single fiber strand, 1310nmTx/1550nmRx, 40km, Extended temperature range - 25C to +70C, -48DC power supply	16 800,00	A	10%	15 120,00
Local Traffic Aggregators MA Enabled - LTA/MA series					
LTA41/MA	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, multi-mode - 2km	5 110,00	A	10%	4 600,00
LTA41/MA/T	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex ST connectors, multi-mode - 2km	5 110,00	A	10%	4 600,00
LTA41/MA/SMR7	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1310nm- 7km	6 580,00	A	10%	5 930,00
LTA41/MA/SMR	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode - 15km	8 040,00	A	10%	7 240,00
LTA41/MA/SMR/T	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex ST connectors, SINGLE-mode - 15km	8 040,00	A	10%	7 240,00
LTA41/MA/SM	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1310nm - 25km	7 470,00	A	10%	6 730,00
LTA41/MA/SM/L	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1310nm- 40km	10 220,00	A	10%	9 200,00

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LTA41/MA/SM/L2	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1310nm - 70km	11 320,00	A	10%	10 190,00
LTA41/MA/SM/L3	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1550nm DFB - 100km	26 290,00	A	10%	23 670,00
LTA41/MA/SM/LX	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1550nm DFB - 150km	30 670,00	A	10%	27 610,00
LTA41/MA/SMRF13	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and simplex SC connector, SINGLE-mode - 20km, Single-Fiber-Strand 1310nmTx/1550nmRx	12 780,00	A	10%	11 510,00
	Local Traffic Aggregators with tunneled E1 - LTAE1 series				
LTA41-1E1	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4xRJ -45 10/100TX and one RJ-48 E1 ports and duplex SC connectors, multi-mode - 2km	7 670,00	A	10%	6 910,00
LTA41-1E1SMR7	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator 4XRJ-45 10/100TX and one RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm- 7km	9 130,00	A	10%	8 220,00
LTA41-1E1/SMR	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and one RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm - 15km	10 740,00	A	10%	9 670,00
LTA41-1E1/SM	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and one RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm - 25km	11 690,00	A	10%	10 530,00
LTA41-1E1/SM/L	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and one RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm- 40km	12 780,00	A	10%	11 510,00
LTA41-1E1/SM/L2	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and one RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm- 70km	13 880,00	A	10%	12 500,00
LTA41-1E1/SMRF13	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and one RJ-48 E1 ports and simplex SC connector, SINGLE-mode - 20km, Single-Fiber Strand, 1310nmTx/1550nmRx	13 880,00	A	10%	12 500,00
LTA41-2E1	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and two RJ-48 E1 ports and duplex SC connectors, multi-mode - 2km	10 220,00	A	10%	9 200,00

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LTA41-2E1SMR7	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and two RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm- 7km	11 320,00	A	10%	10 190,00
LTA41-2E1/SMR	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and two RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm - 15km	13 150,00	A	10%	11 840,00
LTA41-2E1/SM	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and two RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm- 25km	13 880,00	A	10%	12 500,00
LTA41-2E1/SM/L	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and two RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm - 40km	15 330,00	A	10%	13 800,00
LTA41-2E1/SM/L2	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with six RJ-45 (4x10/100TX and two tunneled E1 ports and duplex SC connectors, SINGLE-mode 1310nm- 70km	16 430,00	A	10%	14 790,00
LTA41-2E1/SM/L3	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and two RJ-48 E1 ports and duplex SC connectors, SINGLE-mode - 100km,1550nm, DFB	31 030,00	A	10%	27 930,00
LTA41-2E1/SMRF13	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and two RJ-48 E1 ports and simplex SC connector, SINGLE-mode - 20km, Single-Fiber-Strand, 1310nmTx/1550nmRx	16 430,00	A	10%	14 790,00
LTA41-4E1	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and four RJ-48 E1 ports and duplex SC connectors, multi-mode - 2km	13 880,00	A	10%	12 500,00
LTA41-4E1SMR7	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and four RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm- 7km	14 970,00	A	10%	13 480,00
LTA41-4E1/SMR	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and four RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm - 15km	16 800,00	A	10%	15 120,00
LTA41-4E1/SM	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and four RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm- 25km	17 530,00	A	10%	15 780,00
LTA41-4E1/SM/L	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and four RJ-48 E1 ports and duplex SC connectors, SINGLE-mode 1310nm - 40km	18 990,00	A	10%	17 100,00

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LTA41-4E1/SM/L2	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with six RJ-45 (4x10/100TX and four tunneled E1 ports and duplex SC connectors, SINGLE-mode 1310nm- 70km	20 080,00	A	10%	18 080,00
LTA41-4E1/SM/L3	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and four RJ-48 E1 ports and duplex SC connectors, SINGLE-mode - 100km,1550nm, DFB	34 680,00	A	10%	31 220,00
LTA41-4E1/SMRF13	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and four RJ-48 E1 ports and simplex SC connector, SINGLE-mode - 20km, Single-Fiber-Strand, 1310nmTx/1550nmRx	20 080,00	A	10%	18 080,00
LTA41-4E1/SMCXX	MA managed Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 4x RJ-45 10/100TX and four RJ-48 E1 ports and simplex SC connector, CWDM - 80km,Wavelength= 1xx1 nm	36 140,00	A	10%	32 530,00
	Single Channel 100BaseTX to 100BaseFX MA Enabled - F.CON1/MA series				
F.CON1/MA	MA managed Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion, fault propagation, SC connectors,multi-mode fiber 2km	3 140,00	A	10%	2 830,00
F.CON1/MA/T	MA managed Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion, fault propagation, STconnectors,multi-mode fiber 2km	3 140,00	A	10%	2 830,00
F.CON1/MA/SMR	MA managed Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion,SC connectors, single-mode fiber 1310nm - 15km	6 430,00	A	10%	5 790,00
F.CON1/MA/SMR7	MA managed Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion,SC connectors, single-mode fiber 1310nm - 7km	5 040,00	A	10%	4 540,00
F.CON1/MA/SM	MA managed Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion, SC connectors, single-mode fiber 1310nm - 25km	7 300,00	A	10%	6 570,00
F.CON1/MA/SM/L	MA managed Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion, SC connectors, single-mode fiber 1310nm - 40km	8 400,00	A	10%	7 560,00
F.CON1/MA/SMRF13	MA managed Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion,Simplex SC, SM 20km SINGLE FIBER STRAND 1310nm transmit/1550nm receive	9 490,00	A	10%	8 550,00
	MA enabled CPE 100FX to 100FX - F.CON1F/MA series				
F.CON1F/MA/SMR7	MA managed Single Channel Converter/Access device 100Base-FX MM fiber 1310nm, duplex SC to 100Base-FX SM fiber 1310nm, 7km, duplex SC	7 960,00	A	10%	7 170,00
F.CON1F/MA/SMR	MA managed Single Channel Converter/Access device 100Base-FX MM fiber 1310nm, duplex SC to 100Base-FX SM fiber 1310nm,15km, duplex SC	8 620,00	A	10%	7 760,00
F.CON1F/MA/SM	MA managed Single Channel Converter/Access device 100Base-FX MM fiber 1310nm, duplex SC to 100Base-FX SM fiber 1310nm,25km, duplex SC	10 220,00	A	10%	9 200,00

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F.CON1F/MA/SM/L	MA managed Single Channel Converter/Access device 100Base-FX MM fiber 1310nm, duplex SC to 100Base-FX SM fiber 1310nm,40km, duplex SC	10 590,00	A	10%	9 540,00
F.CON1F/MA/SM-SML	MA managed Single Channel Converter/Access device 100Base-FX SM fiber 1310nm 25km, duplex SC to 100Base-FX SM fiber 1310nm,40km, duplex SC	11 690,00	A	10%	10 530,00
F.CON1F/MA/SM/L3	MA managed Single Channel Converter/Access device 100Base-FX MM fiber 1310nm, duplex SC to 100Base-FX SM fiber 1550nm DFB,100km, duplex SC	27 750,00	A	10%	24 980,00
	Management				
FNM1613	SNMP Management module for ATARA1000RM, GA10 and GTA8200 devices	4 380,00	A	10%	3 950,00
	MA Managed Gigabit Ethernet Converters and extenders - GSM1000 series				
GSM1000/MA	MA Managed 1000Base-SX, duplex SC, MM 850nm to 1000Base-LX, duplex SC, SM 1310nm, 10km	10 960,00	A	10%	9 870,00
GSM1001/MA	MA Managed 1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, duplex SC, Single Mode 1310nm, 20km (over G.652 fiber)	18 260,00	A	10%	16 440,00
GSM1001/MA-48	MA Managed 1000Base-SX,duplex SC, Multi Mode 850nm to 1000Base-LX, duplex SC, Single Mode 1310nm, 20km (over G.652 fiber),-48VDC PSU, including 3m power cable	19 420,00	A	10%	17 480,00
GSM1002/MA	MA Managed 1000Base-SX, duplex SC, MM 850nm to 1000Base-LX, duplex SC, SM 1550nm DFB, 40km	26 290,00	A	10%	23 670,00
GSM1003/MA	MA Managed 1000Base-SX, duplex SC, MM 850nm to 1000Base-LX, duplex SC, SM 1550nm DFB, 80km	48 190,00	A	10%	43 380,00
GSM1003/MA-48	MA Managed 1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, duplex SC, Single Mode 1550nm DFB, 80km, 48VDC PSU, including 3m power cable	49 360,00	A	10%	44 430,00
GSM1004/MA	MA Managed 1000Base-LX extender, SM 1310nm, duplex SC, 10km to SM 1310nm, duplex SC,10km	18 260,00	A	10%	16 440,00
GSM1005/MA	MA Managed 1000Base-LX extender, SM 1310nm, duplex SC, 20km (over G.652 fiber) to SM 1310nm, duplex SC, 20km (over G.652 fiber)	32 130,00	A	10%	28 920,00
GSM1006/MA	MA Managed 1000Base-LX extender, SM 1550nm DFB , duplex SC, 40km to SM 1550nm DFB, duplex SC, 40km	43 810,00	A	10%	39 430,00
GSM1007/MA	MA Managed 1000Base-LX extender, SM 1550nm DFB , duplex SC, 80km to SM 1550nm DFB, duplex SC, 80km	81 780,00	A	10%	73 610,00
GSM1008/MA	MA Managed 1000Base-LX extender, single-mode 1310nm, duplex SC, 10km to single-mode 1550nm DFB, duplex SC, 40km	34 320,00	A	10%	30 890,00

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GSM1009/MA	MA Managed 1000Base-LX extender, single-mode 1310nm, duplex SC, 10km to single-mode 1310nm, duplex SC, 20km	25 490,00	A	10%	22 950,00
GSM1009/MA-48	MA Managed 1000Base-LX extender, single-mode 1310nm, duplex SC, 10km to single-mode 1310nm, duplex SC, 20km, ,-48VDC PSU, including 3m power cable	26 650,00	A	10%	23 990,00
GSM1000F13/MA	MA Managed 1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, simplex SC, Single Mode, Single Fiber Strand, 1310nm Tx / 1550nm Rx , 20km (over G.652 fiber)	19 720,00	A	10%	17 750,00
GSM1000F15/MA	MA Managed 1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, simplex SC, Single Mode, Single Fiber Strand, 1550nm DFB Tx / 1310nm Rx , 20km (over G.652 fiber)	26 290,00	A	10%	23 670,00
GSM1000F13L/MA	MA Managed 1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, simplex SC, Single Mode, Single Fiber Strand, 1310nm DFB Tx / 1550nm Rx , 40km (over G.652 fiber)	21 180,00	A	10%	19 070,00
GSM1000F15L/MA	MA Managed 1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, simplex SC, Single Mode, Single Fiber Strand, 1550nmDFB Tx / 1310nm Rx , 40km (over G.652 fiber)	29 210,00	A	10%	26 290,00
GSM1014/MA	MA Managed 1000Base-T , RJ-45 to 1000Base-SX, duplex SC, Multi- Mode 850nm	5 850,00	A	10%	5 270,00
GSM1010/MA	MA Managed 1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1310nm, 10km	10 220,00	A	10%	9 200,00
GSM1011/MA	MA Managed 1000Base-T, RJ-45 to 1000Base-LX, duplex SC, SM 1310nm, 20km (over G.652 fiber)	15 330,00	A	10%	13 800,00
GSM1011/MA-48	MA Managed 1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1310nm, 20km (over G.652 fiber) ,,-48VDC PSU, including 3m power cable	16 510,00	A	10%	14 860,00
GSM1012/MA	MA Managed 1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1550nm DFB, 40km	24 830,00	A	10%	22 350,00
GSM1013/MA	MA Managed 1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1550nm DFB, 80km	46 000,00	A	10%	41 400,00
GSM1016/MA	MA Managed 1000Base-LX extender, single-mode 1310nm , duplex SC, 10km to single-mode 1550nm DFB, duplex SC, 80km	40 160,00	A	10%	36 150,00
GSM1016/MA-48	MA Managed 1000Base-LX extender, single-mode 1310nm , duplex SC, 10km to single-mode 1550nm DFB, duplex SC, 80km, 48VDC PSU, including 3m power cable	41 330,00	A	10%	37 200,00
GSM1018/MA	MA Managed 1000Base-LX extender, single-mode 1550nm DFB-APD , duplex SC, 120km to single-mode 1550nm DFB, duplex SC, 120km	117 550,00	A	10%	105 800,00
GSM1019/MA	MA Managed 1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1550nm (DFB-APD), 120km	63 520,00	A	10%	57 170,00

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GSM1020/MA	MA Managed 1000Base-SX, MM 850nm 2* SC to 1000Base-LX, 2*SC, SM 1550nm (DFB-APD), 120km	64 980,00	A	10%	58 490,00
GSM1021/MA	MA Managed 1000Base-LX extender, single-mode 1550nm DFB-APD , duplex SC, 120km to single-mode 1550nm DFB, duplex SC, 80km	99 300,00	A	10%	89 370,00
GSM1010F13/MA	MA Managed 1000Base-T, RJ-45 to 1000Base-LX, simplex SC, Single Mode Single Fiber Strand, 1310nm Tx / 1550nm Rx, 20km (over G.652 fiber)	16 800,00	A	10%	15 120,00
GSM1010F15/MA	MA Managed 1000Base-T, RJ-45 to 1000Base-LX, simplex SC, Single Mode Single Fiber Strand, 1550nmDFB Tx / 1310nm Rx, 20km (over G.652 fiber)	24 830,00	A	10%	22 350,00
GSM1010F13L/MA	MA Managed 1000Base-T, RJ-45 to 1000Base-LX, simplex SC, Single Mode Single Fiber Strand, 1310nm DFB Tx / 1550nm Rx, 40km (over G.652 fiber)	18 260,00	A	10%	16 440,00
GSM1010F15L/MA	MA Managed 1000Base-T, RJ-45 to 1000Base-LX, simplex SC, Single Mode Single Fiber Strand, 1550nmDFB Tx / 1310nm Rx, 40km (over G.652 fiber)	27 750,00	A	10%	24 980,00
GSM1000X	MA Managed Gigabit Ethernet converter/access device/extender with 2 SFP modular ports, each may accept any FibroLAN copper or fiber SFP transceiver. Internal AC power supply	6 500,00	A	10%	5 850,00
GSM1000X-48	MA Managed Gigabit Ethernet converter/access device/extender with 2 SFP modular ports, each may accept any FibroLAN copper or fiber SFP transceiver. Internal -48VDC power supply	7 670,00	A	10%	6 910,00
	100Mbps Any-to-Any Redundant link converters				
ATARA100	100TX to 100FX Redundant Link Access Device, MM 2km 1310nm, 2* duplex SC, MA™ managed	8 040,00	A	10%	7 240,00
ATARA100/SMR7	100TX to 100FX Redundant Link Access Device, SM 7km 1310nm, 2* duplex SC, MA™ managed	10 220,00	A	10%	9 200,00
ATARA100/SMR	100TX to 100FX Redundant Link Access Device, SM 15km 1310nm, 2* duplex SC, MA™ managed	12 420,00	A	10%	11 180,00
ATARA100/SM	100TX to 100FX Redundant Link Access Device, SM 25km 1310nm, 2* duplex SC, MA™ managed	13 880,00	A	10%	12 500,00
ATARA100/SM/L	100TX to 100FX Redundant Link Access Device, SM 40km 1310nm, 2* duplex SC, MA™ managed	18 260,00	A	10%	16 440,00
ATARA100/SM/L2	100TX to 100FX Redundant Link Access Device, SM 70km 1310nm, 2* duplex SC, MA™ managed	21 180,00	A	10%	19 070,00
ATARA100/SM/L3	100TX to 100FX Redundant Link Access Device, SM 100km 1550nm,DFB, 2* duplex SC, MA™ managed	45 270,00	A	10%	40 750,00
ATARA100/SMRF13	100TX to 100FX Redundant Link Access Device, SM 20km 1310nm Transmit/ 1550nm Receive, 2*simple SC, MA™ managed	21 180,00	A	10%	19 070,00
ATARA100M	100TX to 100FX Redundant Link Access Device, MM 2km 1310nm, 2* duplex SC, SNMP managed	11 690,00	A	10%	10 530,00

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ATARA100M/SMR7	100TX to 100FX Redundant Link Access Device, SM 7km 1310nm, 2* duplex SC, SNMP managed	13 880,00	A	10%	12 500,00
ATARA100M/SMR	100TX to 100FX Redundant Link Access Device, SM 15km 1310nm, 2* duplex SC, SNMP managed	16 070,00	A	10%	14 470,00
ATARA100M/SM	100TX to 100FX Redundant Link Access Device, SM 25km 1310nm, 2* duplex SC, SNMP managed	17 530,00	A	10%	15 780,00
ATARA100M/SM/L	100TX to 100FX Redundant Link Access Device, SM 40km 1310nm, 2* duplex SC, SNMP managed	21 910,00	A	10%	19 720,00
ATARA100M/SM/L2	100TX to 100FX Redundant Link Access Device, SM 70km 1310nm, 2* duplex SC, SNMP managed	24 830,00	A	10%	22 350,00
ATARA100M/SM/L3	100TX to 100FX Redundant Link Access Device, SM 100km 1550nm,DFB, 2* duplex SC,SNMP managed	48 920,00	A	10%	44 030,00
ATARA100M/SMRF13	100TX to 100FX Redundant Link Access Device, SM 20km 1310nm Transmit/ 1550nm Receive, 2* simple SC, SNMP managed	24 830,00	A	10%	22 350,00
	1000Mbps Any-to-Any Redundant link converters				
ATARA1000-LX1	1000T to 1000LX Redundant Link Access Device, SM 10km 1310nm, 2* duplex SC, MA™ managed	20 450,00	A	10%	18 410,00
ATARA1000-LX2	1000T to 1000LX Redundant Link Access Device, SM 20km 1310nm, 2* duplex SC, MA™ managed	29 210,00	A	10%	26 290,00
ATARA1000-LX3	1000T to 1000LX Redundant Link Access Device, SM 40km 1550nm, DFB, 2* duplex SC, MA™ managed	48 190,00	A	10%	43 380,00
ATARA1000-LX4	1000T to 1000LX Redundant Link Access Device, SM 80km 1550nm, DFB, 2* duplex SC, MA™ managed	91 270,00	A	10%	82 150,00
ATARA1000-F13L	1000T to 1000LX Redundant Link Access Device, SM, 40km Single Fiber Strand 1310nm DFB Tx/ 1550nmRx, 2*simplex SC, MA™ managed	29 210,00	A	10%	26 290,00
ATARA1000M-LX1	1000T to 1000LX Redundant Link Access Device, SM 10km 1310nm, 2* duplex SC, SNMP managed	24 100,00	A	10%	21 690,00
ATARA1000M-LX2	1000T to 1000LX Redundant Link Access Device, SM 20km 1310nm, 2* duplex SC, SNMP managed	32 860,00	A	10%	29 580,00
ATARA1000M-LX3	1000T to 1000LX Redundant Link Access Device, SM 40km 1550nm, DFB, 2* duplex SC, SNMP managed	51 840,00	A	10%	46 660,00
ATARA1000M-LX4	1000T to 1000LX Redundant Link Access Device, SM 80km 1550nm, DFB, 2* duplex SC, SNMP managed	94 920,00	A	10%	85 430,00
ATARA1000RM	1000T to 1000LX Redundant Link Access Device, 2*RJ-45 connectors and 2*SFP modular ports (FibroLAN transceivers,SFIG-X series, must be ordered separately) , 19"/1U rack-mountable, single hot swappable AC PS (redundant PS optional) MA™ managed, for SNMP management order FNM1613 separately	15 990,00	A	10%	14 400,00

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ATARA1000RM-48	1000T to 1000LX Redundant Link Access Device, 2*RJ-45 connectors and 2*SFP modular ports (FibroLAN transceivers, SFIG-X series, must be ordered separately) , 19"/1U rack-mountable, single hot swappable DC PS (redundant PS optional) MA™ managed, for SNMP management order FNM1613 separately	18 190,00	A	10%	16 380,00
	Gigabit Traffic Aggregators				
GTA4100	MA Managed GBE Traffic Aggregator, 4 ports 10/100TX, 1 SFP uplink slot (GBE) , 19" 1U, removable AC PSU, redundant PSU (optional), FNM1613 SNMP management module (optional) for stand alone applications	7 230,00	A	10%	6 510,00
GTA8200	MA Managed GBE Traffic Aggregator, 8 ports 10/100TX, 2 SFP redundant uplink slots (GBE), 19" 1U, removable AC PSU, redundant PSU (optional), FNM1613 SNMP management module (optional) for stand alone applications	9 860,00	A	10%	8 880,00
GTA8200-4E1	MA Managed GBE Traffic Aggregator, 8 ports 10/100TX, 4 E1 RJ-45 ports tunneled over uplinks, 2 SFP redundant uplink slots (GBE), 19" 1U, removable AC PSU, redundant PSU (optional), FNM1613 SNMP management module (optional) for stand alone applications	15 700,00	A	10%	14 130,00
GTA8200-4T1	MA Managed GBE Traffic Aggregator, 8 ports 10/100TX, 4 T1 RJ-45 ports tunneled over uplinks, 2 SFP redundant uplink slots (GBE), 19" 1U, removable AC PSU, redundant PSU (optional), FNM1613 SNMP management module (optional) for stand alone applications	15 700,00	A	10%	14 130,00
	10 GE NTUs				
GA10	10 GE (LAN) NTU/extender, 2 XFP ports, 1 management slot, 19" 1RU, 1 removable AC PS, redundant PS optional	79 580,00	A	10%	71 630,00
GA10-48	10 GE (LAN) NTU/extender, 2 XFP ports, 1 management slot, 19" 1RU, 1 removable DC PS, redundant PS optional	81 780,00	A	10%	73 610,00
FXFP13-10	XFP transceiver for GA10, SM, Duplex LC, 1310nmDFB, 10km	21 180,00	A	10%	19 070,00
FXFP15-40	XFP transceiver for GA10, SM, Duplex LC, 1550nmEML, 40km	43 080,00	A	10%	38 780,00
FXFP15-80	XFP transceiver for GA10, SM, 1550nmEML/APD, 80km	64 980,00	A	10%	58 490,00
FXFP-85	XFP transceiver for GA10, MM, 850 nm, 300m over 50 micron fiber	18 190,00	A	10%	16 380,00
	Options/ Accessories for ALL products (MCM1000X, GSM1000X, MCM2500U,U.CON2500)				
SF1G-T	SFP (Small Form Pluggable) GBE STP transceiver, 1000BaseT, shielded RJ-45, 100m over Cat.6 cable	1 720,00	A	10%	1 550,00
SF1G-S1	SFP (Small Form Pluggable) GBE F/O transceiver, dual LC connector, MM 850nm, 220/550m	1 460,00	A	10%	1 320,00
SF1G-LX1	SFP (Small Form Pluggable) GBE F/O transceiver, dual LC connector, SM 1310nm, 10km	2 560,00	A	10%	2 310,00

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SF1G-LX2	SFP (Small Form Pluggable) GBE F/O transceiver, dual LC connector, SM 1310nm, 20km	9 860,00	A	10%	8 880,00
SF1G-LX3	SFP (Small Form Pluggable) GBE F/O transceiver, dual LC connector, SM 1550nm/DFB , 40km	18 260,00	A	10%	16 440,00
SF1G-LX4	SFP (Small Form Pluggable) GBE F/O transceiver, dual LC connector, SM 1550nm/DFB , 80km	40 160,00	A	10%	36 150,00
SF1G-LX5	SFP (Small Form Pluggable) GBE F/O transceiver, dual LC connector, SM 1550nm/DFB/ APD , 120km	51 110,00	A	10%	46 000,00
SF1G-SF13	SFP (Small Form Pluggable) Single Fiber Strand GBE F/O transceiver, LC connector, SM 1310nmTx - 1550nmRx, 20km	11 320,00	A	10%	10 190,00
SF1G-SF15	SFP (Small Form Pluggable) Single Fiber Strand GBE F/O transceiver, LC connector, SM 1550nm-DFB Tx - 1310nmRx, 20km	19 350,00	A	10%	17 420,00
SF1G-LF13	SFP (Small Form Pluggable) Single Fiber Strand GBE F/O transceiver, LC connector, SM 1310nmTx-DFB - 1550nmRx, 40km	12 780,00	A	10%	11 510,00
SF1G-LF15	SFP (Small Form Pluggable) Single Fiber Strand GBE F/O transceiver, LC connector, SM 1550nm-DFB Tx - 1310nm Rx, 40km	22 270,00	A	10%	20 050,00
SF1G-ZF49	SFP (Small Form Pluggable) Single Fiber Strand GBE F/O transceiver, LC connector, SM 1490nmTx -DFB/ 1570nmRx, 80km	30 600,00	A	10%	27 540,00
SF1G-ZF57	SFP (Small Form Pluggable) Single Fiber Strand GBE F/O transceiver, LC connector, SM 1570nmTx -DFB/ 1490nmRx, 80km	30 600,00	A	10%	27 540,00
SF155-SMRF15	SFP (Small Form Pluggable) OC3 Single Fiber Strand F/O transceiver, LC connector, SM 1550nmTx/1310nmRx, 15 km	2 850,00	A	10%	2 570,00
SF155-SMRF13	SFP (Small Form Pluggable) OC3 Single Fiber Strand F/O transceiver, LC connector, SM 1310nmTx/1550nmRx, 15 km	2 410,00	A	10%	2 170,00
SF2G-S1	SFP (Small Form Pluggable) 2.125Gbps F/O transceiver, dual LC connector, MM 850nm, 300/400m	2 120,00	A	10%	1 910,00
SF2G-S2	SFP (Small Form Pluggable) 2.5Gbps F/O transceiver, dual LC connector, SM 1310nm, 2 km	5 040,00	A	10%	4 540,00
SF2G-LX2-3	SFP (Small Form Pluggable) 2.5Gbps F/O transceiver, dual LC connector, SM 1310nm DFB, 15 km	10 960,00	A	10%	9 870,00
SF2G-LX2-5	SFP (Small Form Pluggable) 2.5Gbps F/O transceiver, dual LC connector, SM 1550nm DFB, 15 km	11 690,00	A	10%	10 530,00
SF2G-LX3-3	SFP (Small Form Pluggable) 2.5Gbps F/O transceiver, dual LC connector, SM 1310nm DFB/APD, 40 km	28 480,00	A	10%	25 640,00
SF2G-LX3-5	SFP (Small Form Pluggable) 2.5Gbps F/O transceiver, dual LC connector, SM 1550nm DFB, 40 km	21 180,00	A	10%	19 070,00
SF2G-LX4-5	SFP (Small Form Pluggable) 2.5Gbps F/O transceiver, dual LC connector, SM 1550nm DFB/APD, 80 km	43 080,00	A	10%	38 780,00

Artikelnummer	Benämning	Listpris	Rbt- typ	Rbt	Nettopris
	Options/ Accessories for ALL products				
MCP5	Mode Conditioned Patchcord, Simplex, 50micron, SC/SC, 2m, for GBE 1310nm over MM applications	1 900,00	A	10%	1 710,00
MCP6	Mode Conditioned Patchcord, Simplex, 62.5micron, SC/SC, 2m, for GBE 1310nm over MM applications	1 900,00	A	10%	1 710,00
CBPS-DC48V	DC Power Supply cable, 3m, for all products	585,00	A	10%	527,00
PS48	DC (-36 to -72 V) Power supply (instead of AC power supply) for single channel and other half rack sized devices, add cost of option to cost of the original AC powered product	525,00	A	10%	473,00
PS24	DC (18 to 36 V) Power supply (instead of AC power supply) for single channel and other half rack sized devices, add cost of option to cost of the original AC powered product	732,00	A	10%	659,00
PS12	DC 12 V Power supply (instead of AC power supply) for single channel and other half rack sized devices, add cost of option to cost of the original AC powered product	732,00	A	10%	659,00
CTF-RM	19" Rack shelf for installation of up to 3 F.CON1MA, F.CON1F/MA, H.CON/MA S.CON1M/MA, GSM1000/MA and GSM1010/MA devices	438,00	A	10%	395,00
RM2	19" Rack shelf for installation of up to 2 DLAXx, LTAXx and other half rack sized devices	438,00	A	10%	395,00
MBR	Set (pair) of rack-mounting brackets for LTA/DLA/ATARA/mS.CONs/FEM/FTM and other half rack sized devices	213,00	A	10%	192,00
SCH-WM	Wall Mount kit for F.CON1MA, F.CO1F/MA, H.CON/MA, S.CON1M/MA, GSM1000/MA, GSM1010/MA and GSM100X	213,00	A	10%	192,00
ETR	Extended Temperature Range (-10 to +70 Centigrade) for all single channel products	1 460,00	A	10%	1 320,00
FPS5033A	Redundant power supply, 100 to 240VAC, 50 to 60Hz for all 19" rack-mountable products in this part	2 190,00	A	10%	1 980,00
FPS5033D	Redundant power supply, D-type connector, -36 to -72 VDC for all 19" rack-mountable products in this part	4 380,00	A	10%	3 950,00
FPS5033D/ST	Redundant power supply, screw terminal connector, -36 to -72 VDC for all 19" rack-mountable products in this part	4 380,00	A	10%	3 950,00
ADC20-E	20Watt AC (100-240V) to DC (48V) adapter, integrated DC cable (D type female connector) plus AC (Europe) power cable (specify type), can be used with all single channel 48VDC powered devices	1 430,00	A	10%	1 290,00
ADC20-I	20Watt AC (100-240V) to DC (48V) adapter, integrated DC cable (D type female connector) plus AC (Israel) power cable (specify type), can be used with all single channel 48VDC powered devices	1 430,00	A	10%	1 290,00
	10/100 TX-FX - S.CON series				

Artikelnummer	Benämning	Listpris	Rbt- typ	Rbt	Nettopris
S.CON1	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) SC connectors, multi-mode - 2km	3 580,00	A	10%	3 230,00
S.CON1/T	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) ST connectors, multi-mode - 2km	3 580,00	A	10%	3 230,00
S.CON1-48	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, multi-mode -2km, internal -48VDC PS	4 170,00	A	10%	3 760,00
S.CON1/SMR7	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , SC connectors, single-mode -7km	5 110,00	A	10%	4 600,00
S.CON1/SMR	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , SC connectors, single-mode - 15km	6 580,00	A	10%	5 930,00
S.CON1/SM	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , SC connectors, single-mode - 25km	7 300,00	A	10%	6 570,00
S.CON1/SM/L	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , SC connectors, single-mode - 40km	8 400,00	A	10%	7 560,00
S.CON1/SM/L2	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , SC connectors, single-mode - 70km	9 490,00	A	10%	8 550,00
S.CON1/SM/L3	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , SC connectors, single-mode - 100km 1550nm, DFB	24 830,00	A	10%	22 350,00
S.CON1/SM/LX	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , SC connectors, single-mode - 150km 1550nm, DFB	29 210,00	A	10%	26 290,00
S.CON1/SMRF13	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain ,simplex SC connector, single-mode - 20km,1310nm Tx/ 1550nm Rx Single Fiber Strand	9 490,00	A	10%	8 550,00
S.CON1/SMRF15	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , simplex SC connector, single-mode - 20km,1550nm Tx/1310nm Rx Single Fiber Strand	10 960,00	A	10%	9 870,00
S.CON1/SMXF15	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , simplex SC connector, single-mode - 80km,1550nm Tx DFB/1310nm Rx Single Fiber Strand	18 770,00	A	10%	16 900,00
S.CON1/SMXF13	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , simplex SC connector, single-mode - 80km,1310nm Tx/1550nm Rx Single Fiber Strand	13 660,00	A	10%	12 300,00
S.CON1M	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, multi-mode - 2km, SNMP Managed	7 670,00	A	10%	6 910,00
S.CON1M/T	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), ST connectors, multi-mode - 2km, SNMP Managed	7 670,00	A	10%	6 910,00
S.CON1M/SMR7	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode - 7km , SNMP Managed	9 130,00	A	10%	8 220,00

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S.CON1M/SMR	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode - 15km, SNMP Managed	10 590,00	A	10%	9 540,00
S.CON1M/SM	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode - 25km, SNMP Managed	11 320,00	A	10%	10 190,00
S.CON1M/SM/L	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode - 40km, SNMP Managed	12 420,00	A	10%	11 180,00
S.CON1M/SM/L2	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode - 70km, SNMP Managed	13 880,00	A	10%	12 500,00
S.CON1M/SM/L3	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode - 100km, 1550nm,DFB,SNMP Managed	29 210,00	A	10%	26 290,00
S.CON1M/SM/LX	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain), SC connectors, single-mode - 150km, 1550nm,DFB, SNMP Managed	33 590,00	A	10%	30 240,00
S.CON1M/SMRF13	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , simplex SC connector , single-mode - 20km, Single Fiber Strand, 1310nm Tx/1550nm Rx, SNMP Managed	13 880,00	A	10%	12 500,00
S.CON1M/SMRF15	Single Channel 10/100Base-TX to 100Base-FX converter, BMD (Buffered Media Domain) , simplex SC connector, single-mode - 20km, Single Fiber Strand, 1550nmTx /1310nm Rx , SNMP Managed	15 330,00	A	10%	13 800,00
	10/100 TX-FX - H.CON series				
H.CON	10/100 TX-FX converter/Access device, SC connectors, MM 2km 1310nm	2 340,00	A	10%	2 110,00
H.CON/T	10/100 TX-FX converter/Access device, ST connectors, MM 2km 1310nm	2 340,00	A	10%	2 110,00
H.CON/SMR7	10/100 TX-FX converter/Access device, SC connectors, SM 7km 1310nm	4 380,00	A	10%	3 950,00
H.CON/T/SMR7	10/100 TX-FX converter/Access device, ST connectors, SM 7km 1310nm	4 970,00	A	10%	4 480,00
H.CON/SMR	10/100 TX-FX converter/Access device, SC connectors, SM 15km 1310nm	5 850,00	A	10%	5 270,00
H.CON/SMR-48	10/100 TX-FX converter/Access device, SC connectors, SM 15km 1310nm, Internal -48VDC PS	6 370,00	A	10%	5 740,00
H.CON/SM	10/100 TX-FX converter/Access device, SC connectors, SM 25km 1310nm	6 580,00	A	10%	5 930,00
H.CON/SM/L	10/100 TX-FX converter/Access device, SC connectors, SM 40km 1310nm	8 040,00	A	10%	7 240,00
H.CON/SMRF13	10/100 TX-FX converter/Access device, simplex SC connector , SM 20km SINGLE FIBER STRAND 1310nm Tx/1550nm Rx	8 770,00	A	10%	7 900,00
H.CON/SMLF13	10/100 TX-FX converter/Access device, simplex SC connector , SM 40km SINGLE FIBER STRAND 1310nm Tx/1550nm Rx	10 220,00	A	10%	9 200,00
H.CON/SMRF15	10/100 TX-FX converter/Access device, SC simplex connector , SM 20km SINGLE FIBER STRAND 1550nm Tx /1310nm Rx	9 490,00	A	10%	8 550,00
H.CON/SMLF15	10/100 TX-FX converter/Access device, simplex SC connector , SM 40km SINGLE FIBER STRAND 1550nmDFB Tx /1310nm Rx	14 610,00	A	10%	13 150,00

Artikelnummer	Benämning	Listpris	Rbt- typ	Rbt	Nettopris
H.CON/SMXF13	10/100 TX-FX converter/Access device, simplex SC connector , SM 80km SINGLE FIBER STRAND 1310nm Tx/1550nm Rx	12 420,00	A	10%	11 180,00
H.CON/SMXF15	10/100 TX-FX converter/Access device, simplex SC connector , SM 80km SINGLE FIBER STRAND 1550nmDFB Tx /1310nm Rx	17 530,00	A	10%	15 780,00
100BaseTX to 100BaseFX - F.CON series					
F.CON1	Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion,FEF, SC connectors,multi-mode fiber 2km, 100m STP	2 340,00	A	10%	2 110,00
F.CON1/T	Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion, FEF, STconnectors,multi-mode fiber 2km, 100m STP	2 340,00	A	10%	2 110,00
F.CON1/SX	Single Channel 100Base-TX to 100Base-SX (w/o a/n) converter, Direct Conversion, FEF, SC connectors, 850nm multi-mode fiber 300m, 100m STP	2 920,00	A	10%	2 630,00
F.CON1/SMR	Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion, FEF, SC connectors, single-mode fiber 15km, 100m STP	5 790,00	A	10%	5 220,00
F.CON1/SMR7	Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion, FEF, SC connectors, single-mode fiber 7km, 100m STP	4 380,00	A	10%	3 950,00
F.CON1/SM	Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion, FEF, SC connectors, single-mode fiber 25km, 100m STP	6 580,00	A	10%	5 930,00
F.CON1/SM/L	Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion, FEF, SC connectors, single-mode fiber 40km, 100m STP	8 040,00	A	10%	7 240,00
F.CON1/SMRF13	Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion, FEF, simplex SC connector, Single-Fiber-Strand single-mode fiber 20km,1310nmTx, 1550nmRx 100m STP	8 770,00	A	10%	7 900,00
F.CON1/SMRF15	Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion, FEF, simplex SC connector, Single-Fiber-Strand single-mode fiber 20km,1550nmTx, 1310nmRx 100m STP	10 220,00	A	10%	9 200,00
10Base-T to 10Base-FL - CTF series					
CTF1	Single Channel 10Base-T to 10Base-FL converter, ST connectors, (Or SC connector, to be specified in the order) multi-mode	1 830,00	A	10%	1 650,00
CTF1/SM	Single Channel 10Base-T to 10Base-FL converter, ST connectors,single-mode 16km	4 380,00	A	10%	3 950,00
Local traffic Aggregators - LTA series					
LTA41	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, multi-mode - 2km	4 020,00	A	10%	3 620,00
LTA41/T	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex ST connectors, multi-mode - 2km	4 020,00	A	10%	3 620,00

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LTA41/SMR7	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode,1310nm - 7km	5 850,00	A	10%	5 270,00
LTA41/SMR	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode,1310nm - 15km	7 300,00	A	10%	6 570,00
LTA41/SM	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1310nm - 25km	8 040,00	A	10%	7 240,00
LTA41/SM/L	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1310nm - 40km	9 280,00	A	10%	8 360,00
LTA41/SM/L2	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1310nm - 70km	10 450,00	A	10%	9 410,00
LTA41/SMRF13	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with four RJ-45 (switched, VLAN) ports, simplex SC connector, SINGLE-mode - 20km, Single-Fiber-Strand 1310nm Tx	10 450,00	A	10%	9 410,00
LTA31M	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 3 RJ-45 (switched, VLAN) ports and duplex SC connectors, multi-mode - 2km, SNMP Managed	8 400,00	A	10%	7 560,00
LTA31M/T	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 3 RJ-45 (switched, VLAN) ports and duplex ST connectors, multi-mode - 2km, SNMP Managed	8 400,00	A	10%	7 560,00
LTA31M/SMR7	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 3 RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1310nm - 7km, SNMP Managed	9 860,00	A	10%	8 880,00
LTA31M/SMR	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 3 RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode1310nm - 15km, SNMP Managed	11 320,00	A	10%	10 190,00
LTA31M/SM	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 3 RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1310nm - 25km SNMP Managed	12 050,00	A	10%	10 850,00
LTA31M/SM/L	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 3 RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode1310nm - 40km, SNMP Managed	13 150,00	A	10%	11 840,00

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LTA31M/SM/L2	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 3 RJ-45 (switched, VLAN) ports and duplex SC connectors, SINGLE-mode 1310nm - 70km, SNMP Managed	14 610,00	A	10%	13 150,00
LTA31M/SMRF13	Multiple 10/100Base-TX to single 100Base-FX Local Traffic Aggregator with 3 RJ-45 (switched, VLAN) ports and simplex SC connector, SINGLE-mode - 20km, Single-Fiber-Strand 1310 nm Tx, SNMP Managed	14 610,00	A	10%	13 150,00
	Dual Link Access - DLA series				
DLA22	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), multi-mode 2km	7 300,00	A	10%	6 570,00
DLA22/T	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex ST), multi-mode 2km	7 300,00	A	10%	6 570,00
DLA22/T/SMR7	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex ST), single-mode 1310nm - 7km	11 690,00	A	10%	10 530,00
DLA22/SMR7	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), SINGLE-mode 1310nm - 7km	10 590,00	A	10%	9 540,00
DLA22/SMR	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), SINGLE-mode 1310nm- 15km	13 150,00	A	10%	11 840,00
DLA22/SM	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), SINGLE-mode 1310nm - 25km	14 610,00	A	10%	13 150,00
DLA22/SM/L	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), SINGLE-mode 1310nm - 40km	17 530,00	A	10%	15 780,00
DLA22/SM/L2	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), SINGLE-mode 1310nm- 70km	19 720,00	A	10%	17 750,00
DLA22/SMRF135	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each simplex SC), SINGLE-mode 20km, Single-Fiber-Strand, one port 13/15, one port 15/13	19 720,00	A	10%	17 750,00
DLA22/SMLF135	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each simplex SC), SINGLE-mode 40km, Single-Fiber-Strand, one port 13/15, one port 15DFB/13	28 840,00	A	10%	25 960,00
DLA22M	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), multi-mode 2km, SNMP Managed	11 320,00	A	10%	10 190,00

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DLA22M/T	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex St), multi-mode 2km, SNMP Managed	11 320,00	A	10%	10 190,00
DLA22M/SMR7	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), SINGLE-mode 1310nm - 7km,SNMP Managed	15 700,00	A	10%	14 130,00
DLA22M/SMR	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), SINGLE-mode 1310nm - 15km, SNMP Managed	17 530,00	A	10%	15 780,00
DLA22M/SM	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), SINGLE-mode 1310nm - 25km,SNMP Managed	18 990,00	A	10%	17 100,00
DLA22M/SM/L	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), SINGLE-mode 1310nm - 40km, SNMP Managed	21 910,00	A	10%	19 720,00
DLA22M/SM/L2	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each duplex SC), SINGLE-mode 1310nm - 70km, SNMP Managed	24 830,00	A	10%	22 350,00
DLA22M/SMRF135	Versatile 10/100TX-FX media converter and access device, BMD with two RJ-45 (switched) and two F/O ports (each simplex SC), SINGLE-mode 20km, Single-Fiber-Strand, one port 13/15, one port 15/13,SNMP Managed	23 730,00	A	10%	21 360,00
	Universal (Fast Ethernet, ATM, SONET, SDH) EXTENDERS - U.CON series				
U.CON1A/SMR7	Multi-Mode to Single-Mode 1310nm ATM/OC3 Media Converter, 7km, 2* duplex SC	8 770,00	A	10%	7 900,00
U.CON1A	Multi-Mode to Single-Mode 1310nm ATM/OC3 Media Converter, 25km, 2* duplex SC	9 490,00	A	10%	8 550,00
U.CON1F/SMR7	Multi-Mode to Single-Mode 1310nm Fast Ethernet Media Converter, 7km, 2*duplex SC	5 850,00	A	10%	5 270,00
U.CON1F	Multi-Mode to Single-Mode 1310nm Fast Ethernet Media Converter, 25km, 2* duplex SC	6 580,00	A	10%	5 930,00
U.CON1A-48	Multi-Mode to Single-Mode 1310nm ATM/OC3 Media Converter, 25km, 2*duplex SC, internal -48VDC PS	10 220,00	A	10%	9 200,00
U.CON1F-48	MM to SM 1310nm Fast Ethernet Media Converter, 25km, 2* duplex SC, internal -48VDC PS	7 300,00	A	10%	6 570,00
U.CON1A/L	Multi-Mode to Single-Mode 1310nm ATM/OC3 Media Converter, 40km, 2* duplex SC	10 960,00	A	10%	9 870,00

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U.CON1F/L	Multi-Mode to Single-Mode 1310nm Fast Ethernet Media Converter, 40km, 2* duplex SC	7 300,00	A	10%	6 570,00
U.CON1A/L2	Multi-Mode to Single-Mode 1310nm ATM/OC3 Media Converter, 70km, 2* duplex SC	12 420,00	A	10%	11 180,00
U.CON1F/L2	Multi-Mode to Single-Mode 1310nm Fast Ethernet Media Converter, 70km, 2* duplex SC	9 490,00	A	10%	8 550,00
U.CON622	Multi-Mode 1310nm to Single-Mode 1310nm ATM/OC12/STM-4 Media Converter,20km, 2* duplex SC	10 960,00	A	10%	9 870,00
U.CON622/SML	Multi-Mode 1310nm to Single-Mode 1550nm DFB ATM/OC12/STM-4 Media Converter,40km, 2* duplex SC	21 180,00	A	10%	19 070,00
U.CON622/SML2	Multi-Mode 1310nm to Single-Mode 1550nm DFB ATM/OC12/STM-4 Media Converter,80km, 2*duplex SC	32 130,00	A	10%	28 920,00
U.CON622/SM-SM	Single-Mode 1310nm 10km to Single-Mode 1310nm ATM/OC12/STM-4 extender,20km, 2* duplex SC	14 610,00	A	10%	13 150,00
U.CON622/SM-SML	SM 1310nm 10km to SM 1550nm DFB ATM/OC12/STM-4 extender,40km, 2* duplex SC	25 190,00	A	10%	22 680,00
U.CON622/SM-SML2	SM 1310nm 10km to SM 1550nm DFB ATM/OC12/STM-4 extender,80km, 2* duplex SC	35 050,00	A	10%	31 550,00
U.CON622/SX-LX1	MM 850nm to SM 10km 1310nm ATM/OC12/STM-4/GBE extender, 10km, 2* duplex SC	10 960,00	A	10%	9 870,00
U.CON2500	Universal Extender , 100Mbps to 2.5Gbps, includes 2 SFP slots, use SFP transceiver in section 409 (SFxG series) - (Only FibroLAN SFP transceivers can be used)	4 680,00	A	10%	4 220,00
U.CON1A2AC/SMR7LX	SM fiber 7km 1310nm to SM fiber 150km 1550nm converter ATM/OC3, 19" 1U, dual edundant PS, 2* duplex SC	39 430,00	A	10%	35 490,00
U.CON2A2AC/SMR7LX	Dual channel SM 7km 1310nm to SM 150km 1550nm converter ATM/OC3, 19" 1U, dual redundant PS, 2* duplex SC	76 670,00	A	10%	69 010,00
Gigabit Ethernet Converters and extenders - GSM1000 series					
GSM1000	1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, duplex SC, Single Mode 1310nm, 10km.	10 220,00	A	10%	9 200,00
GSM1001	1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, duplex SC, Single Mode 1310nm, 20km (over G.652 fiber)	17 530,00	A	10%	15 780,00
GSM1002	1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, duplex SC, SM 1550nm, 40km	25 190,00	A	10%	22 680,00
GSM1003	1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, duplex SC, SM 1550nm, 80km	47 460,00	A	10%	42 720,00
GSM1004	1000Base-LX extender, SM 1310nm, duplex SC, 10km to SM 1310nm, duplex SC,10km	17 530,00	A	10%	15 780,00

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GSM1005	1000Base-LX extender, single-mode 1310nm, duplex SC, 20km (over G.652 fiber) to single-mode 1310nm, duplex SC, 20km(over G.652 fiber)	31 030,00	A	10%	27 930,00
GSM1006	1000Base-LX extender, SM 1550nm DFB , duplex SC, 40km to SM 1550nm DFB, duplex SC, 40km	43 080,00	A	10%	38 780,00
GSM1007	1000Base-LX extender, SM 1550nm DFB , duplex SC, 80km to SM 1550nm DFB, duplex SC, 80km	80 310,00	A	10%	72 280,00
GSM1018	1000Base-LX extender, single-mode 1550nm DFB-APD , duplex SC, 120km to single-mode 1550nm DFB, duplex SC, 120km	116 820,00	A	10%	105 140,00
GSM1008	1000Base-LX extender, single-mode 1310nm, duplex SC, 10km to SM 1550nm, DFB, duplex SC,40km	32 860,00	A	10%	29 580,00
GSM1009	1000Base-LX extender, single-mode 1310nm, duplex SC, 10km to single-mode 1310nm, duplex SC, 20km	20 380,00	A	10%	18 350,00
GSM1016	1000Base-LX extender, single-mode 1310nm, duplex SC, 10km to SM 1550nm, DFB, duplex SC,80km	38 700,00	A	10%	34 830,00
GSM1000F13	1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, simplex SC, Single Mode, Single Fiber Strand, 1310nm Tx / 1550nm Rx , 20km (over G.652 fiber)	18 990,00	A	10%	17 100,00
GSM1000F15	1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, simplex SC, Single Mode, Single Fiber Strand, 1550nmDFB Tx / 1310nm Rx , 20km (over G.652 fiber)	25 190,00	A	10%	22 680,00
GSM1014	1000Base-T , RJ-45 to 1000Base-SX, duplex SC, Multi- Mode 850nm	5 260,00	A	10%	4 740,00
GSM1010	1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1310nm, 10km	9 490,00	A	10%	8 550,00
GSM1011	1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1310nm, 20km (over G.652 fiber)	14 610,00	A	10%	13 150,00
GSM1012	1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1550nm DFB, 40km	23 370,00	A	10%	21 040,00
GSM1013	1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1550nm DFB, 80km	44 540,00	A	10%	40 090,00
GSM1010F13	1000Base-T, RJ-45 to 1000Base-LX, simplex SC, Single Mode Single Fiber Strand, 1310nm Tx / 1550nm Rx, 20km,(over G.652 fiber)	16 070,00	A	10%	14 470,00
GSM1010F15	1000Base-T, RJ-45 to 1000Base-LX, simplex SC, Single Mode Single Fiber Strand, 1550nm DFB Tx / 1310nm Rx, 20km,(over G.652 fiber)	23 370,00	A	10%	21 040,00
GSM1019	1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1550nm (DFB-APD), 120km	62 790,00	A	10%	56 520,00
GSM1020	1000Base-SX, MM 850nm duplex SC to 1000Base-LX, duplex SC, SM 1550nm (DFB-APD), 120km	64 250,00	A	10%	57 830,00
GSM1021	1000Base-LX extender, single-mode 1550nm DFB-APD , duplex SC, 120km to single-mode 1550nm DFB, duplex SC, 80km	98 570,00	A	10%	88 720,00

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GSM1000M	Managed 1000Base-SX, duplex SC, MM 850nm to 1000Base-LX, duplex SC, SM 1310nm, 10km	14 240,00	A	10%	12 820,00
GSM1001M	Managed 1000Base-SX, duplex SC, MM 850nm to 1000Base-LX, duplex SC, SM 1310nm, 20km (over G.652 fiber)	21 540,00	A	10%	19 390,00
GSM1002M	Managed 1000Base-SX, duplex SC, MM 850nm to 1000Base-LX, duplex SC, SM 1550nm DFB, 40km	29 210,00	A	10%	26 290,00
GSM1003M	Managed 1000Base-SX, duplex SC, MM 850nm to 1000Base-LX, duplex SC, SM 1550nm DFB, 80km	51 110,00	A	10%	46 000,00
GSM1004M	Managed 1000Base-LX extender, SM 1310nm, duplex SC, 10km to SM 1310nm, duplex SC, 10km	21 910,00	A	10%	19 720,00
GSM1005M	Managed 1000Base-LX extender, single-mode 1310nm, duplex SC, 20 (over G.652 fiber)km to single-mode 1310nm, duplex SC, 20km (over G.652 fiber)	35 050,00	A	10%	31 550,00
GSM1006M	Managed 1000Base-LX extender, single-mode 1550nm DFB , duplex SC, 40km to single-mode 1550nm DFB, duplex SC, 40km	47 460,00	A	10%	42 720,00
GSM1007M	Managed 1000Base-LX extender, SM 1550nm DFB , duplex SC, 80km to SM 1550nm DFB, duplex SC, 80km	83 970,00	A	10%	75 580,00
GSM1009M	Managed 1000Base-LX extender, SM 1310nm, duplex SC, 10km to SM 1310nm, duplex SC, 20km	24 030,00	A	10%	21 630,00
GSM1016M	Managed 1000Base-LX extender, SM 1310nm, duplex SC, 10km to SM 1550nm, DFB, duplex SC, 80km	42 350,00	A	10%	38 120,00
GSM1000MF13	Managed 1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, simplex SC, Single Mode, Single Fiber Strand, 1310nm Tx / 1550nm Rx , 20km (over G.652 fiber)	23 010,00	A	10%	20 710,00
GSM1000MF15	Managed 1000Base-SX, duplex SC, Multi Mode 850nm to 1000Base-LX, simplex SC, Single Mode, Single Fiber Strand, 1550nm DFB Tx / 1310nm Rx , 20km (over G.652 fiber)	29 210,00	A	10%	26 290,00
GSM1014M	Managed 1000Base-T , RJ-45 to 1000Base-SX, duplex SC, Multi- Mode 850nm	9 130,00	A	10%	8 220,00
GSM1010M	Managed 1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1310nm, 10km	13 880,00	A	10%	12 500,00
GSM1011M	Managed 1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1310nm, 20km (over G.652 fiber)	18 840,00	A	10%	16 960,00
GSM1012M	Managed 1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1550nm DFB, 40km	27 750,00	A	10%	24 980,00
GSM1013M	Managed 1000Base-T, RJ-45 to 1000Base-LX, duplex SC, Single Mode 1550nm DFB, 80km	48 920,00	A	10%	44 030,00

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GSM1010MF13	Managed 1000Base-T, RJ-45 to 1000Base-LX, simplex SC, Single Mode Single Fiber Strand, 1310nm Tx / 1550nm Rx, 20km (over G.652 fiber)	20 300,00	A	10%	18 270,00
GSM1010MF15	Managed 1000Base-T, RJ-45 to 1000Base-LX, simplex SC, Single Mode Single Fiber Strand, 1550nm DFB Tx / 1310nm Rx, 20km (over G.652 fiber)	27 750,00	A	10%	24 980,00
	Other Protocols Converters				
FC32	RS232 DB9 to fiber converter, 1310nm, MM 3km, duplex SC	2 560,00	A	10%	2 310,00
FC32/SMR7	RS232 DB9 to fiber converter, 1310nm, SM 7km, duplex SC	4 380,00	A	10%	3 950,00
FC32/SMR	RS232 DB9 to fiber converter, 1310nm, SM 15km, duplex SC	5 110,00	A	10%	4 600,00
FC32/SM	RS232 DB9 to fiber converter, 1310nm, SM 25km, duplex SC	5 850,00	A	10%	5 270,00
FC42	RS422/485 DB9 to fiber extender 1310nm, MM 3km, duplex SC	3 660,00	A	10%	3 300,00
FC42/SMR7	RS422/485 DB9 to fiber extender 1310nm, SM 7km, duplex SC	5 480,00	A	10%	4 940,00
FC42/SMR	RS422/485 DB9 to fiber extender 1310nm, SM 15km, duplex SC	6 210,00	A	10%	5 590,00
FC42/SM	RS422/485 DB9 to fiber extender 1310nm, SM 25km, duplex SC	6 940,00	A	10%	6 250,00
	Low Cost 100Base-TX to 100Base-FX Converters				
C100/ST	Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion,ST connectors,1310nm multi-mode fiber 2km, 100m UTP, external PS included (specify EU/UK/US).	1 390,00	A	10%	1 260,00
C100/SC	Single Channel 100Base-TX to 100Base-FX converter, Direct Conversion,SC connectors,1310nm multi-mode fiber 2km, 100m UTP, external PS included (specify EU/UK/US).	1 390,00	A	10%	1 260,00
C110/F13	Single Channel 10/100Base-TX to 100Base-FX converter,s/m fiber, single fiber strand,1310nmTx/1550Rx 20km, 100m UTP, external PS included (specify EU/UK/US).	6 280,00	A	10%	5 660,00
	Tranceivers and NICs				
FETX-B	AUI to BNC (10Base2) micro-transceiver	278,00	A	10%	251,00
FETX-F	AUI to F/O (10BaseFL/FOIRL) micro-transceiver	1 460,00	A	10%	1 320,00
	Options/ Accessories for ALL products				
MCP5	Mode Conditioned Patchcord, Simplex, 50micron, SC/SC, 2m, for GBE 1310nm over mm applications	1 900,00	A	10%	1 710,00
MCP6	Mode Conditioned Patchcord, Simplex, 62.5micron, SC/SC, 2m, for GBE 1310nm over mm applications	1 900,00	A	10%	1 710,00
CBPS-DC48V	DC Power Supply cable, 3m, PS48	585,00	A	10%	527,00
PS48	DC (-36 to -72 V) Power supply (instead of AC power supply) for single channel and other half rack sized devices, add cost of option to cost of the original AC powered product	525,00	A	10%	473,00
PS24	DC (18 to 36 V) Power supply (instead of AC power supply) for single channel and other half rack sized devices, add cost of option to cost of the original AC powered product	732,00	A	10%	659,00

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PS12	DC 12 V Power supply (instead of AC power supply) for single channel and other half rack sized devices, add cost of option to cost of the original AC powered product	732,00	A	10%	659,00
CTF-RM	19" Rack shelf for installation of up to 3 CTF1/F.CON1/H.CON/S.CON/GSM/U.CON	438,00	A	10%	395,00
RM2	19" Rack shelf for installation of up to 2 DLAx, LTAx and other half rack sized devices	438,00	A	10%	395,00
SCH-WM	Wall Mount kit for all single channel converters	213,00	A	10%	192,00
ETR	Extended Temperature Range (-10 to +70 Centigrade) for all single channel products	1 460,00	A	10%	1 320,00
ETRX	Extended Temperature Range (-25 to +70 Centigrade) for all single channel products	2 560,00	A	10%	2 310,00
MBR	Set (pair) of rack-mounting brackets for LTA/DLA/ATARA/mS.CONs/FEM/FTM and other half rack sized devices	213,00	A	10%	192,00
ADC20-E	20Watt AC (100-240V) to DC (48V) adapter, integrated DC cable (D type female connector) plus AC (Europe) power cable (specify type), can be used with all single channel 48VDC powered devices	1 430,00	A	10%	1 290,00
ADC20-I	20Watt AC (100-240V) to DC (48V) adapter, integrated DC cable (D type female connector) plus AC (Israel) power cable (specify type), can be used with all single channel 48VDC powered devices	1 430,00	A	10%	1 290,00