

Solid IT Networks  
DIR-CPO-4852  
Adtran  
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**DIR Discount Levels**

10%	Network Virtualization
20%	Time Synchronization, Network Access, Network Virtualization
30%	Optical Transport Network, ALM, Pluggables, Generic Accessories
2%	Maintenance
1%	Services, Training

DESCRIPTION	PART NUMBER	MSRP
0013700002	Fan Air Filter Set (10 Filters) for FSP 3000R7 7HU or 9HU Shelf, and FSP 150EG-X 10RU Shelf, F7/FAN-FILTER/7HU/9HU	\$ 102.75
0013700002	Fan Air Filter Set (10 Filters) for FSP 3000R7 7HU or 9HU Shelf, and FSP 150EG-X 10RU Shelf, F7/FAN-FILTER/7HU/9HU	\$ 102.75
0051002093	Jumper for internal cabling - Single Mode, LC, 200 cm (2 m), J/SM/LC/0200	\$ 19.54
0051002095	Cable - Multimode 62.5µm, LC, 100 cm, J/MM62/LC/0100	\$ 19.54
0051002096	Cable - Multimode 62.5µm, LC, 200 cm (2 m), J/MM62/LC/0200	\$ 19.54
0051002118	Duplex Cable - Multimode 62.5µm, LC, 90 cm, J/MM62/LC/DUP/0090/RED	\$ 37.47
0051002118	Duplex Cable - Multimode 62.5µm, LC, 90 cm, J/MM62/LC/DUP/0090/RED	\$ 37.47
0051002123	Duplex Cable - Multimode 62.5µm, LC, 500 cm (5 m), J/MM62/LC/DUP/0500/RED	\$ 36.59
0051002389	Jumper for internal cabling - Single Mode, LC, 50 cm, J/SM/LC/0050	\$ 19.54
0051002398	Jumper for internal cabling - Single Mode, LC, 30 cm, J/SM/LC/0030	\$ 19.54
0051002399	Jumper for internal cabling - Single Mode, LC, 35 cm, J/SM/LC/0035	\$ 19.00
0051002401	Jumper for internal cabling - Single Mode, LC, 40 cm, J/SM/LC/0040	\$ 19.54
0051002402	Jumper for internal cabling - Single Mode, LC, 45 cm, J/SM/LC/0045	\$ 19.11
0051002411	Cable - Multimode 62.5µm, LC, 30 cm, J/MM62/LC/0030	\$ 19.54
0051002456	Jumper for internal cabling - Single Mode, LC, 55 cm, J/SM/LC/0055	\$ 19.54
0051002457	Jumper for internal cabling - Single Mode, LC, 60 cm, J/SM/LC/0060	\$ 19.54
0051002460	Jumper for internal cabling - Single Mode, LC, 75 cm, J/SM/LC/0075	\$ 19.01

0061701812	11G XFP Transceiver, 1550nm, Long Reach, 9.953 Gbit/s-11.400 Gbit/s, XFP/11G/1550L/SM/LC, HW Rel 2.00	\$ 697.95
0061705824	SFP Transceiver, 1310nm, Standard Reach, 100 Mbit/s-1.250 Gbit/s, SFP/HS/1310S/SM/LC, HW Rel 1.01	\$ 40.69
0061705890	SFP Transceiver, GbE Copper Interface, RJ45, for 10 Mb/s, 100 Mb/s, and 1 Gb/s Ethernet, SFP/GBE/ELECTRICAL/RJ45, HW Rel 1.02	\$ 120.30
0061705993	SFP Transceiver, 1510 nm, Ultra Long Reach, 125Mbit/s only, for use with OSCM-PN and OSFM+#1510, SFP/FE/C1510U/SM/LC, HW Rel 2.00	\$ 269.26
0063708903	2-Port Protection Module, Single Mode, F7/2PM/SM, HW Rel 2.01	\$ 676.60
0063709901	FSP 3000R7 Dummy card, 5HU, F7/DM/5HU	\$ 24.05
0063709901	FSP 3000R7 Dummy card, 5HU, F7/DM/5HU	\$ 24.05
0063709901	FSP 3000R7 Dummy card, 5HU, F7/DM/5HU	\$ 24.05
0063709902	FSP 3000R7 Dummy card, 2.5HU, F7/DM/2HU5	\$ 62.43
0063709902	FSP 3000R7 Dummy card, 2.5HU, F7/DM/2HU5	\$ 62.43
0078700101	FSP 3000R7 7HU Shelf, F7/SH7HU, HW Rel 2.05	\$ 1,194.58
0093000111	Expert On-Site Tech Support (Daily Rate)	Per Project Basis'
0093000112	Adtran FSP On-Site Support (Daily Rate)	Per Project Basis'
1013904010	Single-Unit 19" Rack Mounting Kit for Select FSP 150 and OSA Units with 220 mm Width, F150/ADV/OT/MK-19	\$ 16.50
1013904015	Mounting Kit, 19 in. Rack, for Equipping one 1HU Half-Width ALM Device in 1RU of Rack Space, ALM/MK-SINGLE-19	\$ 17.78
1013904016	Mounting Kit, 19 in. Rack, for Equipping a Combination of two 1HU Half-Width ALM Devices in 1RU of Rack Space, ALM/MK-DUAL-19	\$ 209.53
1013904017	Mounting Kit, 23 in. Rack or ETSI Rack, for Equipping one 1HU Half-Width ALM Device in 1RU of Rack Space, ALM/MK-SINGLE-23	\$ 165.08
1013904040	Flexible/Universal Mounting Kit for 19 in. or 21 in. Rack, for Equipping 1x or 2x 1HU Half-Width ALM Devices in 1RU of Rack Space, with In-Service Addition of 2nd Device, ALM/MK-19-FLEX	\$ 987.36
1013904054	Mounting Kit for one 1HU Full-Width ALM Device in an ETSI or 23" Rack, ALM64/MK	\$ 213.93
1036000570	PSCU Interface Cable (IEEE1394 type), 3 m, IC300/PSCU/IEEE1394	\$ 17.58
1036000571	PSCU Interface Cable (IEEE1394 type), 3 m, Compliant with EU Cable Fire Protection Class B2ca (Very High), IC300/PSCU/IEEE1394 B2CA	\$ 61.60
1036000592	USB Cable with Screw Lock, 1m, USB-C to USB-C, for Timing Sync Interconnect with OpenFabric 1200 Dual-Card Mode, IC100/USB-C/LOCKED	\$ 101.82
1036000593	USB Cable with Screw Lock, 2m, USB-C to USB-C, for Timing Sync Interconnect with OpenFabric 1200 Dual-Card Mode, IC200/USB-C/LOCKED	\$ 136.40
1036000631	AC Power Cable, US Plug, 2.5m, Right-Angled C13 Equipment End, CBL/AC/250/RA/US	\$ 18.93

1036000631	AC Power Cable, US Plug, 2.5m, Right-Angled C13 Equipment End, CBL/AC/250/RA/US	\$ 18.93
1036000631	AC Power Cable, US Plug, 2.5m, Right-Angled C13 Equipment End, CBL/AC/250/RA/US	\$ 18.93
1036000631	AC Power Cable, US Plug, 2.5m, Right-Angled C13 Equipment End, CBL/AC/250/RA/US	\$ 18.93
1036000631	AC Power Cable, US Plug, 2.5m, Right-Angled C13 Equipment End, CBL/AC/250/RA/US	\$ 18.93
1036000632	AC Power Cable, US Plug, 2.5m, Straight C13 Equipment End, CBL/AC/250/ST/US	\$ 17.58
1036000639	AC Power Cable, US Plug, 2.5m, Right-Angled C19 Equipment-End Connector, for PSU/9HU-AC and EG/X/PSU-10U/AC, CBL/AC/250/RA-C19/US	\$ 54.27
1036000680	AC Extension Power Cable, C13 Connector to C14 Connector, 2.5m, Straight Connector Ends, CBL/AC/250/EXT/C13-C14	\$ 16.50
1036000682	AC Power Cable, C13 Right-Angle Equipment-End Connector to C14 Straight Connector, 2.5m, CBL/AC/250/RA/C14	\$ 56.53
1036000682	AC Power Cable, C13 Right-Angle Equipment-End Connector to C14 Straight Connector, 2.5m, CBL/AC/250/RA/C14	\$ 56.53
1036000683	AC Power Cable, C19 Right-Angle Connector to C14 Straight Connector, 2.5m, CBL/AC/250/RA-C19/C14	\$ 35.72
1036000684	AC Power Cable, C19 Right-Angle Connector to C20 Straight Connector, 2.5m, CBL/AC/250/RA-C19/C20	\$ 34.07
1036000707	AC Power Cable, US Plug End, Straight C19 Equipment End, 2.5m, for FSP 3000 C 4RU Shelves, TeraFlex 1RU Shelf AC PSM (T-PSM-AC), and XG400 Series PSU, CBL/AC/250/ST-C19/US	\$ 96.10
1036002634	AC Power Cable, US Plug, 2.5m, Right-Angled C5 Equipment-End Connector, for F7/PSU/1HU-F-AC and F8/PSM-AC10, CBL/AC/250/RA-C5/US	\$ 89.10
1036700020	DC Power Cable, 3m, 2 Wires, AWG10, Red(-48V)/Black(+Return) Wire Colors, Angled SUB-D Connector at Equipment End, for FSP 3000R7 9RU Shelf 1000W DC PSU, FSP 150EG-X 10RU Shelf, and FSP 3000 C PSM-DC9 (SH2R, Rear Power Only), CBL/DC/300/2AWG10/SUB-D/R-/B+	\$ 84.92
1036700032	DC Power Cable, 10m, 2 Wires, AWG10, Red(-48V)/Black(+Return) Wire Colors, Angled SUB-D Connector at Equipment End, for FSP 3000R7 9RU Shelf 1000W DC PSU, FSP 150EG-X 10RU Shelf, and FSP 3000 C PSM-DC9 (SH2R, Rear Power Only), CBL/DC/1000/2AWG10/SUB-D/R-/B+	\$ 233.53
1036700041	DC Power Cable, 3m, 3 Wires, AWG10, Red(-48V)/Black(+Return)/Green-Yellow Wire Colors, Angled SUB-D Connector at Equipment End, for FSP 3000R7 7RU Shelf 800W DC PSU, FSP 3000 C PSM-DC7 (SH3), FSP 3000 C PSM-DC9 (SH2/SH2R/SH2-LS/XG404/XG418, Front Power Only), and XG480/XG312 750W DC PSU (Front Power Only), CBL/DC/300/3AWG10/SUB-D/R-/B+	\$ 148.80

1036700042	DC Power Cable, 10m, 3 Wires, AWG10, Red(-48V)/Black(+Return)/Green-Yellow Wire Colors, Angled SUB-D Connector at Equipment End, for FSP 3000R7 7RU Shelf 800W DC PSU, FSP 3000 C PSM-DC7 (SH3), FSP 3000 C PSM-DC9 (SH2/SH2R/SH2-LS/XG404/XG418, Front Power Only), and XG480/XG312 750W DC PSU (Front Power Only), CBL/DC/1000/3AWG10/SUB-D/R-/B+	\$ 300.69
1036800031	Chassis Grounding Cable, 1m, AWG6, Green/Yellow Wire Colors, for FSP 3000 C SH12, Low Smoke Zero Halogen, CBLZ/GND/0100/1AWG6/TB/GN-YL	\$ 109.34
1036800037	Chassis Grounding Cable, 3m, AWG6, Green/Yellow Wire Colors, for FSP 3000 C SH12, Low Smoke Zero Halogen, Compliant with EU Cable Fire Protection Class B2ca (Very High), CBLZ/GND/0300/AWG6/TB-ST/GN-YE	\$ 96.94
1036800048	DC Power Cable for Front-Access North America Applications with the FSP 3000 C 12RU Shelf DC PSM (F8/PSM-DC, HW Rel 2.01), FSP 3000 C 4RU Shelf SH4R-2/SH4R-3 (F8/PSM-DC4 and F8/PSM-DC5), and TeraFlex 1RU Shelf DC PSM (F8/T-PSM-DC), 3m, 2-Wire AWG8, Red(-48VDC) / Black(+Return) Wire Colors, SUB-D2 Connector at Equipment End, LSZH (Low Smoke, Zero Halogen), CBLZ/DC/3M/2AWG8/SUB-D2/R-/B+	\$ 110.51
1036800051	DC Power Cable for Front-Access North America Applications with the FSP 3000 C 12RU Shelf DC PSM (F8/PSM-DC, HW Rel 2.01), FSP 3000 C 4RU Shelf SH4R-2/SH4R-3 (F8/PSM-DC4 and F8/PSM-DC5), and TeraFlex 1RU Shelf DC PSM (F8/T-PSM-DC), 10m, 2-Wire AWG8, Red(-48VDC) / Black(+Return) Wire Colors, SUB-D2 Connector at Equipment End, LSZH (Low Smoke, Zero Halogen), CBLZ/DC/10M/2AWG8/SUB-D2/R-/B+	\$ 281.50
1036904052	DC Power Cable, 3m, 3 Wires, AWG16, Red (-48V), Black (Return) and Green-Yellow Wire Colors for North America with Overall Jacket, Pluggable Terminal Block at Equipment End, for FSP150-GE11x, XG108, and -48VDC ALM Monitor Unit, CBL/DC/300/3AWG16/PTB/R-/B+	\$ 34.10
1036904052	DC Power Cable, 3m, 3 Wires, AWG16, Red (-48V), Black (Return) and Green-Yellow Wire Colors for North America with Overall Jacket, Pluggable Terminal Block at Equipment End, for FSP150-GE11x, XG108, and -48VDC ALM Monitor Unit, CBL/DC/300/3AWG16/PTB/R-/B+	\$ 34.10
1036904065	Cable, -48 VDC Power with Front Power Feed on FSP 150-XG120Pro and XG118Pro, Spade Connectors on Both Ends, 3 m Length, 2 Wires, AWG16, Red (-48VDC) / Black (Return) Wire Colors (for North American Deployment), CBL/DC/0300/2AWG16/SP/RD-BK	\$ 17.60
1040700003	Power Supply Module, DC for 7HU FSP 3000R7 Shelf, High Power, 600W, F7/PSU/7HU-DC-HP, HW Rel 2.02	\$ 700.29
1040700041	Power Supply Module, DC for 9HU FSP 3000R7 Shelf, 1000W, F7/PSU/9HU-DC, HW Rel 2.00	\$ 696.50

1042700011	Fan Module for 9HU FSP 3000R7 Shelf, F7/FAN/9HU, HW Rel 2.00	\$ 269.60
1051002130	Duplex Cable - Multimode 62.5µm, LC, 300 cm (3 m), J/MM62/LC/DUP/0300/RED	\$ 39.07
1051002130	Duplex Cable - Multimode 62.5µm, LC, 300 cm (3 m), J/MM62/LC/DUP/0300/RED	\$ 39.07
1051002497	Duplex Cable - Single Mode, LC, 300 cm (3 m), J/SM/LC/DUP/0300	\$ 39.07
1051002513	Duplex Cable - Single Mode, LC, 200 cm (2 m), J/SM/LC/DUP/0200	\$ 39.07
1051002519	Duplex Cable - Single Mode, LC, 210 cm, J/SM/LC/DUP/0210	\$ 39.07
1051002521	Ribbon Cable, Multimode 50µm OM3, MPO24, 3.1m, LSZH, JZ/OM3/MPO24/0310	\$ 586.08
1051002522	Ribbon Cable, Multimode 50µm OM3, MPO24, 10m, LSZH, JZ/OM3/MPO24/1000	\$ 433.46
1051002591	Passive Single Channel CWDM Splitter, Unidirectional, With Upgrade Port, Packaged in 3.1m Y-Cable with LC Connectors, CH #1470, J- Y/SM/1CS+#C1470/LC/0310, HW Rel 1.01	\$ 232.80
1051002592	Passive Single Channel CWDM Splitter, Unidirectional, With Upgrade Port, Packaged in 3.1m Y-Cable with LC Connectors, CH #1490, J- Y/SM/1CS+#C1490/LC/0310, HW Rel 1.01	\$ 232.80
1051002593	Passive Single Channel CWDM Splitter, Unidirectional, With Upgrade Port, Packaged in 3.1m Y-Cable with LC Connectors, CH #1510, J- Y/SM/1CS+#C1510/LC/0310, HW Rel 1.01	\$ 232.80
1051002594	Passive Single Channel CWDM Splitter, Unidirectional, With Upgrade Port, Packaged in 3.1m Y-Cable with LC Connectors, CH #1530, J- Y/SM/1CS+#C1530/LC/0310, HW Rel 1.01	\$ 232.80
1051002617	Ribbon Cable, Multimode 50µm OM3, MPO12, 10m, LSZH, JZ/OM3/MPO12/1000	\$ 299.15
1051002625	Ribbon Cable, Single Mode, MPO24, 3.1m, LSZH, JZ/SM/MPO24/0310	\$ 597.81
1051002626	Ribbon Cable, Single Mode, MPO24, 10m, LSZH, JZ/SM/MPO24/1000	\$ 649.57
1051002627	1-Slot Breakout Module for LGX Shelf (SH1HU/LGX), MPO-to-LC, Multimode 50µm OM3, 2x Breakouts with 1x MPO12 to 8x LC (4x LC Duplex) on Each Breakout, FSM/OM3/2MPO12-16LC/1LGX	\$ 1,188.01
1051002628	1-Slot Breakout Module for LGX Shelf (SH1HU/LGX), MPO-to-LC, Single Mode, 2x Breakouts with 1x MPO12 to 8x LC (4x LC Duplex) on Each Breakout, FSM/SM/2MPO12-16LC/1LGX	\$ 1,238.81
1051002708	Jumper for internal cabling - Single Mode, LC, 40 cm, Compliant with EU Cable Fire Protection Class B2ca (Very High), J-B2CA/SM/LC/0040	\$ 36.61
1051002709	Jumper for internal cabling - Single Mode, LC, 45 cm, Compliant with EU Cable Fire Protection Class B2ca (Very High), J-B2CA/SM/LC/0045	\$ 36.61
1051002710	Jumper for internal cabling - Single Mode, LC, 50 cm, Compliant with EU Cable Fire Protection Class B2ca (Very High), J-B2CA/SM/LC/0050	\$ 36.61
1051002731	Jumper for internal cabling - Single Mode, LC, 190 cm, Compliant with EU Cable Fire Protection Class B2ca (Very High), J-B2CA/SM/LC/0190	\$ 36.61
1051002732	Jumper for internal cabling - Single Mode, LC, 210 cm, Compliant with EU Cable Fire Protection Class B2ca (Very High), J-B2CA/SM/LC/0210	\$ 36.61

1051002733	Jumper for internal cabling - Single Mode, LC, 230 cm, Compliant with EU Cable Fire Protection Class B2ca (Very High), J-B2CA/SM/LC/0230	\$ 36.61
1051002734	Jumper for internal cabling - Single Mode, LC, 240 cm, Compliant with EU Cable Fire Protection Class B2ca (Very High), J-B2CA/SM/LC/0240	\$ 36.61
1051002766	Ribbon Cable, Multimode 50µm OM3, MPO12, 15m, LSZH, JZ/OM3/MPO12/1500	\$ 299.15
1051002767	Ribbon Cable, Multimode 50µm OM3, MPO12, 20m, LSZH, JZ/OM3/MPO12/2000	\$ 299.15
1051002768	Ribbon Cable, Multimode 50µm OM3, MPO12, 25m, LSZH, JZ/OM3/MPO12/2500	\$ 299.15
1061701491	Up to 11G XFP CWDM Transceiver, Very Long Reach, CH #C1470, XFP/11G/C1470V/SM/LC, HW Rel 2.00	\$ 1,236.76
1061701492	Up to 11G XFP CWDM Transceiver, Very Long Reach, CH #C1490, XFP/11G/C1490V/SM/LC, HW Rel 2.00	\$ 1,236.76
1061701493	Up to 11G XFP CWDM Transceiver, Very Long Reach, CH #C1510, XFP/11G/C1510V/SM/LC, HW Rel 2.00	\$ 1,236.76
1061701494	Up to 11G XFP CWDM Transceiver, Very Long Reach, CH #C1530, XFP/11G/C1530V/SM/LC, HW Rel 2.00	\$ 993.51
1061701495	Up to 11G XFP CWDM Transceiver, Very Long Reach, CH #C1550, XFP/11G/C1550V/SM/LC, HW Rel 2.00	\$ 993.51
1061701496	Up to 11G XFP CWDM Transceiver, Very Long Reach, CH #C1570, XFP/11G/C1570V/SM/LC, HW Rel 2.00	\$ 1,236.76
1061701497	Up to 11G XFP CWDM Transceiver, Very Long Reach, CH #C1590, XFP/11G/C1590V/SM/LC, HW Rel 2.00	\$ 1,698.03
1061701498	Up to 11G XFP CWDM Transceiver, Very Long Reach, CH #C1610, XFP/11G/C1610V/SM/LC, HW Rel 2.00	\$ 1,698.03
1061706192	SFP Transceiver, 1490 nm, Very Long Reach, 125Mbit/s only, for use with OSCM-PN and OSFM+#1490-SFA, SFP/FE/C1490V/SM/LC, HW Rel 2.00	\$ 234.39
1061706193	SFP Transceiver, 1510 nm, Very Long Reach, 125Mbit/s only, for use with OSCM-PN and OSFM+#1510, SFP/FE/C1510V/SM/LC, HW Rel 2.00	\$ 115.41
1063708416	Common Equipment Module for 9HU FSP 3000R7 Shelf, F7/CEM/9HU, HW Rel 2.00	\$ 922.63
1063708440	Passive Shelf Control Unit, F7/PSCU, HW Rel 2.00	\$ 407.97
1063708720	4-Port Channel Splitter for channel 19590 to 19560, with upgrade port, Channel Group 1 (1530.33 nm/#D02, 1531.12 nm/#D03, 1531.90 nm/#D04, 1532.68 nm/#DC1), F7/4CSM+#19590-#19560, HW Rel 2.01	\$ 1,579.78
1063708721	4-Port Channel Splitter for channel 19550 to 19520, with upgrade port, Channel Group 2 (1533.47 nm/#D05, 1534.25 nm/#D06, 1535.04 nm/#D07, 1535.82 nm/#D08), F7/4CSM+#19550-#19520, HW Rel 2.01	\$ 1,614.62
1063708722	4-Port Channel Splitter for channel 19510 to 19480, with upgrade port, Channel Group 3 (1536.61 nm/#DC2, 1537.40 nm/#D09, 1538.19 nm/#D10, 1538.98 nm/#D11), F7/4CSM+#19510-#19480, HW Rel 2.01	\$ 1,606.48

1063708723	4-Port Channel Splitter for channel 19470 to 19440, with upgrade port, Channel Group 4 (1539.77 nm/#D12, 1540.56 nm/#DC3, 1541.35 nm/#D13, 1542.14 nm/#D14), F7/4CSM+#19470-#19440, HW Rel 2.01	\$ 1,610.55
1063708871	8-Port CWDM Channel Splitter Module with Dual Monitoring points, F7/8CSM/P-#C1470-#C1610-DM, HW Rel 2.01	\$ 1,775.09
1063708873	Passive 8-Port CWDM Channel Splitter Module for A/B-Band Wavelengths with upgrade port to Lower Wavelength Group and Dual Monitoring points, F7/8CSM/P+#C1470-#C1610-DM, HW Rel 2.01	\$ 2,338.95
1063708882	4-Port Optical Power Control Module, F7/4-OPCM, HW Rel 2.01	\$ 3,157.29
1063709051	Optical Amplifier, Double Stage, 20 dBm maximum output power, variable gain, gain controlled (C-Band) with Dual Monitoring Ports, F7/EDFA-C-D20-VGC-DM, HW Rel 2.01	\$ 4,395.16
1063709052	Optical Amplifier, Double Stage, 20 dBm maximum output power, variable gain for low-gain applications, gain controlled (C-Band), Dual Monitoring Ports, F7/EDFA-C-D20-VLGC-DM, HW Rel 2.01	\$ 4,649.07
1078700062	FSP 3000R7 Passive Unmanaged 1HU Shelf for Up to 4 Unmanaged Modules, No Power Supplies and no SCU required, 270 mm Deep, F7/SH1HU/PASSIVE, HW Rel 2.00	\$ 182.62
1078700065	FSP 3000R7 Passive Unmanaged 1HU Shelf for Up to 4 Unmanaged Modules with Optional Fiber Tray, No Power Supplies and no SCU required, 270 mm Deep, F7/SH1HU/PASSIVE/FT, HW Rel 2.02	\$ 199.90
1078700066	Passive Unmanaged 1HU Fiber Management Tray, F7/FMT/1HU, HW Rel 2.00	\$ 296.65
1078700102	FSP 3000R7 7HU Shelf, Refurbish Kit, with Shelf Cover, Cover Clip, Brackets (19", NEBS, and ETSI), and Earthing Accessories, F7/SH7HU-REFURBISH-KIT	\$ 149.47
1078700122	FSP 3000R7 9HU Shelf, Refurbish Kit, with Shelf Cover, Cover Clip, Brackets (19", NEBS, and ETSI), and Earthing Accessories, F7/SH9HU-REFURBISH-KIT	\$ 88.06
1091006150	Ensemble Controller, Server License, Release 15.x, ENC/SERVER R15.X	\$ 4,683.02
1091006160	Mosaic Network Controller, Server License, Release 16.x, MNC/SERVER R16.X	\$ 4,964.00
1091006165	Mosaic Network Controller/Ensemble Controller, Server License, Upgrade to Release 16.x from Release 15.x, MNC/SERVER/U R16.X	\$ 1,241.01
1091006175	Mosaic Network Controller/Ensemble Controller, Server License, Upgrade to Release 17.x from Release 16.x, MNC/SERVER/U R17.X	\$ 1,241.01
1091007010	Mosaic Network Controller/Ensemble Controller, Connection License for 1x FSP 3000R7 SH1HU Shelf Variant, for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/F7/S	\$ 657.00
1091007030	Mosaic Network Controller/Ensemble Controller, Connection License for 1x FSP 3000R7 SH9HU Shelf, for ENC Release 12.1.1 or Higher, ENC/NMCL/F7/L	\$ 5,693.79

1091007040	Mosaic Network Controller/Ensemble Controller, Connection License for 1x FSP 3000 C 1RU AccessFlex Shelf, for MNC/ENC Release 15.3.1 or Higher, ENC/NMCL/F8/XS	\$ 313.27
1091007045	Mosaic Network Controller/Ensemble Controller, Connection License Upgrade for 1x FSP 3000 C 1RU AccessFlex Shelf, Upgrade from MNC/ENC Release 15.3.1 or Higher to the Next Major Release, ENC/NMCL/F8/XS/U	\$ 78.64
1091007050	Mosaic Network Controller/Ensemble Controller, Connection License for 1x FSP 3000 C SH1R Shelf, SH1 Shelf, SH2 Shelf Variant, or T-SH1R-2 TeraFlex Shelf, for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/F8/S	\$ 1,314.05
1091007060	Mosaic Network Controller/Ensemble Controller, Connection License for 1x FSP 3000 C SH3 Shelf or SH4R Shelf Variant, for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/F8/M	\$ 4,817.96
1091007070	Mosaic Network Controller/Ensemble Controller, Connection License for 1x FSP 3000 C SH12 Shelf, for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/F8/L	\$13,140.09
1091007080	Mosaic Network Controller/Ensemble Controller, Connection License for 1x FSP 3000 C High-Speed Multiplexer, Including QuadFlex (MP-2B4CT, MP-2B4CT-S, or MP-2B4CT-CG), TeraFlex (T-MP-2D12CT, T-MP-2D8CT, T-MP-2D3DT, T-MP-2D8DCT, or T-MP-M8DCT), OpenFabric 1200 (OF-2D16DCT), and S-Flex (SF-D19DCT-x), for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/F8/MP	\$ 6,898.45
1091007210	Mosaic Network Controller/Ensemble Controller, Connection License for 1x Extra-Small Ethernet Network Element (GE101Pro), for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/ETH/XS	\$ 70.08
1091007220	Mosaic Network Controller/Ensemble Controller, Connection License for 1x Small Ethernet Network Element (FSP 150 GE104, GE112, GE112Pro, GE114, GE114Pro, GE201, GO102Pro, GE102Pro, CC-T, OS606, or HN400), for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/ETH/S	\$ 131.41
1091007230	Mosaic Network Controller/Ensemble Controller, Connection License for 1x Medium Ethernet Network Element (FSP 150 CP, Mx, CC-825, GE206, GE206V, XO106, XG108, XG116Pro, XG118Pro, XG120Pro, XJ128, XG304, XG304U, and OS900), for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/ETH/M	\$ 219.00
1091007240	Mosaic Network Controller/Ensemble Controller, Connection License for 1x Large Ethernet Network Element (FSP 150CM, XG210, XG308, XG312, XG404, XG418, HN 4000, or OS9000), for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/ETH/L	\$ 876.01
1091007250	Mosaic Network Controller/Ensemble Controller, Connection License for 1x Extra Large Ethernet Network Element (FSP 150 XG480, XG490, EG-X, EG-M, or Z4806), for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/ETH/XL	\$ 2,264.60



1091007430	Mosaic Network Controller/Ensemble Controller, Connection License for 1x Medium Fiber Assurance Solution ALM Shelf (16ALM or 96-Port Extender), for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/FAS/M	\$ 865.17
1091007440	Mosaic Network Controller/Ensemble Controller, Connection License for 1x Large Fiber Assurance Solution ALM Shelf (64ALM), for MNC/ENC Release 12.1.1 or Higher, ENC/NMCL/FAS/L	\$ 1,730.34
1091008040	Mosaic Network Controller/Ensemble Controller, Server License for Mosaic/Ensemble Bandwidth Manager, for MNC/ENC Release 12.1.1 or Higher, ENC/BWM	\$19,272.19
1091008050	Mosaic Network Controller/Ensemble Controller, Command Based Manager License, for MNC/ENC Release 12.1.1 or Higher, ENC/CBM	\$21,785.50
1091008310	Mosaic/Ensemble Sync Director, Sync Assurance Manager for GNSS License, for MNC/ENC Release 12.1.1 or Higher, ENC/ESAMG	\$ 7,593.97
1091008320	Mosaic/Ensemble Sync Director, Sync Assurance Manager for PTP License, for MNC/ENC Release 12.1.1 or Higher, ENC/ESAMP	\$ 7,820.43
1091008910	Mosaic/Ensemble Optical Director License for Active WDM Provisioning via Mosaic Network Controller/Ensemble Controller, for MNC/ENC Release 12.1.1 or Higher, ENC/EOD	\$31,535.88
1091008930	Mosaic/Ensemble Sync Director License for Management of Synchronization Networks via Mosaic Network Controller/Ensemble Controller, for MNC/ENC Release 12.1.1 or Higher, ENC/ESD	\$ 7,820.43
1091008940	Mosaic/Ensemble Fiber Director License for ALM-Based Geographical Management of Fiber Structures/Resources, for MNC/ENC Release 12.1.1 or Higher, ENC/EFD	\$ 5,687.75
1091009400	Ensemble Fiber Director, Connection License for 1x ALM Monitor Unit, for ENC Release 12.x, ENC/EFD/CL R12.X	\$ 253.97
1091009401	Mosaic/Ensemble Fiber Director, Connection License for 1x Medium ALM Monitor Unit (16ALM or 96-Port Extender), for MNC/ENC Release 13.1.1 and Higher, ENC/EFD/CL/M	\$ 569.01
1091009402	Mosaic/Ensemble Fiber Director, Connection License for 1x Large ALM Monitor Unit (64ALM), for MNC/ENC Release 13.1.1 and Higher, ENC/EFD/CL/L	\$ 1,136.85
1091009402	Mosaic/Ensemble Fiber Director, Connection License for 1x Large ALM Monitor Unit (64ALM), for MNC/ENC Release 13.1.1 and Higher, ENC/EFD/CL/L	\$ 1,136.85
1091009403	Mosaic/Ensemble Fiber Director, Connection License for 1x Extra-Large ALM Monitor Unit (384-Port Extender, ALM/EXP/16MPO24/8LA), for MNC/ENC Release 14.1.1 and Higher, ENC/EFD/CL/XL	\$ 2,274.87
1091009408	Mosaic/Ensemble Fiber Director, Connection License Upgrade for 1x Extra-Large ALM Monitor Unit (384-Port Extender, ALM/EXP/16MPO24/8LA), Upgrade from MNC/ENC Release 14.1.1 or Higher to the Next Major Release, ENC/EFD/CL/XL/U	\$ 568.72

1091701201	Basic Software RTU for FSP 3000R7 1HU Active Shelf, Release 20.x and Later, F7/SW BASIC 1HU ACTIVE	\$ 209.53
1091701202	Basic Software RTU for FSP 3000R7 7HU/9HU Shelf, Release 20.x and Later, F7/SW BASIC 7HU/9HU	\$ 963.81
1091701905	Feature RTU for Fibre Channel/FICON Client Services on Select FSP 3000R7 and FSP 3000 C Modules, Per Service, F7/RTU FC/FICON	\$ 180.19
1091701905	Feature RTU for Fibre Channel/FICON Client Services on Select FSP 3000R7 and FSP 3000 C Modules, Per Service, F7/RTU FC/FICON	\$ 180.19
1091701970	Feature RTU for use of SDN-Based Northbound Interfaces (NETCONF and gRPC) on an FSP 3000R7 Shelf or Subshelf, F7/RTU/SDN	\$ 1,248.76
7022290001	Project Management, By Hourly Rate	Per Project Basis'
7022459001	Staging, Assembled L1	Per Project Basis'
7022460001	Staging, Preconfigured L2	Per Project Basis'
7022461001	Staging, Configured & Tested L3	Per Project Basis'
7029534001	FSP 3000 Extended Network Element Software Maintenance	Per Project Basis'
7034254001	Ensemble Controller Maintenance	Per Project Basis'
7036302001	Remote Deployment Support	Per Project Basis'
7036303001	Installation & Turn-Up Only	Per Project Basis'
7036304001	Engineering, Furnishing And Installation Deployment Turn-Key Service	Per Project Basis'
7036305001	Fiber Characterization	Per Project Basis'
7036306001	Site Survey	Per Project Basis'
7036307001	On-Site Deployment Support	Per Project Basis'
7036865001	Packing, Single Item with Individual Packaging	Per Project Basis'
7037464001	Project Management, By Contract Period	Per Project Basis'
7039203001	Health Check: Review of Network Per Scope of Work	Per Project Basis'
7041189001	Dedicated Support Engineer	Per Project Basis'
7041190001	Resident Support Engineer	Per Project Basis'

7041191001	Named Support Engineer	Per Project Basis'
7041192001	Edge Initial Application Support	Per Project Basis'
7043218001	NOC Surveillance, White Label NOC Surveillance	Per Project Basis'
7057561001	Ensemble Annual HW Maintenance, Bronze	Per Project Basis'
7058212001	Packet Edge Cloud Maintenance, Extended	Per Project Basis'
7058213001	Packet Edge Cloud Maintenance, Advanced	Per Project Basis'
7058214001	Packet Edge Cloud Maintenance, Premium	Per Project Basis'
7058215001	Packet Edge Cloud Maintenance, Premium Plus	Per Project Basis'
7064073001	Ensemble Upgrade Service	Per Project Basis'
7067837001	NOC Surveillance, Device Surveillance and Management (DS&M)	Per Project Basis'
7067838001	NOC Surveillance, Third Party Support	Per Project Basis'
7067839001	NOC Surveillance, Incremental Batch of 5 RFCs: Moves, Adds, Changes	Per Project Basis'
7067840001	Per-Device Setup Fee for Device Surveillance and Management (DS&M) Service	Per Project Basis'
7067841001	Third Party Support Setup Fee	Per Project Basis'
7067842001	Setup Fee for New NOC Customer Onboarding	Per Project Basis'
7067843001	NOC Surveillance, Custom Network Management & Operations	Per Project Basis'
7067844001	Custom Network Management & Operations Setup Fee	Per Project Basis'
7071809001	FSP 3000 Extended Maintenance	Per Project Basis'
7071811001	FSP 3000 Advanced Maintenance	Per Project Basis'
7071813001	FSP 3000 Premium Maintenance	Per Project Basis'
7071814001	FSP 3000 Premium Plus Maintenance	Per Project Basis'
7071815001	Adtran Software Assure	Per Project Basis'

7071822001	Packet Edge Cloud Software Assure	Per Project Basis'
7074197001	Packet Edge Cloud Installation and Turn-Up (Excluding Fiber Characterization)	Per Project Basis'
7074361001	Packet Edge Cloud Remote Deployment Support	Per Project Basis'
0042700001-04	Fan Module for 7HU FSP 3000R7 Shelf, F7/FAN/PLUG-IN, HW Rel 4.01	\$ 821.19
0061701811-03	11G XFP Transceiver, 1310nm, Standard Reach, 9.953 Gbit/s-11.400 Gbit/s, XFP/11G/1310S/SM/LC, HW Rel 3.01	\$ 158.87
0061701825-02	10G XFP Transceiver, 850nm, Intra-Office Reach, 9.953 Gbit/s-10.709 Gbit/s, XFP/10G/850I/MM/LC, HW Rel 2.01	\$ 224.99
0061703805-02	4G SFP Transceiver, 1310nm, Standard Reach, 1.062 Gbit/s-4.300 Gbit/s, SFP/4GU/1310S/SM/LC, HW Rel 2.01	\$ 160.20
0061703825-02	4G SFP Transceiver, 850nm, Intra-Office Reach, 1.062 Gbit/s-4.300 Gbit/s, SFP/4GU/850I/MM/LC, HW Rel 2.01	\$ 78.64
0061705844-03	SFP Transceiver, 850nm, Intra-Office Reach, for 1G FC, 2G FC, and GigE, SFP/2G1/850I/MM/LC, HW Rel 3.01	\$ 65.35
0061705844-03	SFP Transceiver, 850nm, Intra-Office Reach, for 1G FC, 2G FC, and GigE, SFP/2G1/850I/MM/LC, HW Rel 3.01	\$ 65.35
0061705844-03	SFP Transceiver, 850nm, Intra-Office Reach, for 1G FC, 2G FC, and GigE, SFP/2G1/850I/MM/LC, HW Rel 3.01	\$ 65.35
0061705844-03	SFP Transceiver, 850nm, Intra-Office Reach, for 1G FC, 2G FC, and GigE, SFP/2G1/850I/MM/LC, HW Rel 3.01	\$ 65.35
0061705844-03	SFP Transceiver, 850nm, Intra-Office Reach, for 1G FC, 2G FC, and GigE, SFP/2G1/850I/MM/LC, HW Rel 3.01	\$ 65.35
0061705844-03	SFP Transceiver, 850nm, Intra-Office Reach, for 1G FC, 2G FC, and GigE, SFP/2G1/850I/MM/LC, HW Rel 3.01	\$ 65.35
1013700004-01	Fiber Management Attachment for 40CSM/2HU, F7/FIBER FINGER/2HU, HW Rel 1.02	\$ 30.43
1013700005-01	Adapter Set for SH1HU/PASSIVE/FT Rear Plane Rack Mounting, F7/BRAC/SH1HU/REAR-MOUNT	\$ 41.83
1013700009-01	Cover Extension Kit for 7HU and 9HU FSP 3000R7 Shelves, for Increased Cabling Space in New Installations, F7/COVER EXTENSION/7HU/9HU	\$ 13.15
1013700010-01	Cover Extension Kit for 7HU and 9HU FSP 3000R7 Shelves, for Increased Cabling Space in Existing or New Installations, F7/COVER EXTENSION/UPGRADE 110	\$ 118.76
1013700010-01	Cover Extension Kit for 7HU and 9HU FSP 3000R7 Shelves, for Increased Cabling Space in Existing or New Installations, F7/COVER EXTENSION/UPGRADE 110	\$ 118.76
1013700011-01	Mounting Extension Kit for the SH1HU-F/E+TEMP/PF FSP 3000R7 Shelf, F7/BRAC/SH1HU-F/EXT	\$ 22.00
1013700012-01	NEBS Upgrade Kit for 9HU FSP 3000R7 Shelf, F7/NEBS-KIT/9HU	\$ 16.53

1013700021-01	Fan Air Filter Set with 10 Filters for FSP 3000R7 1HU Slimline Shelf with Pluggable Fan Unit (SH1HU-R/PF) and 20 Filters for Pluggable 200W AC or DC PSU (PSU/1RU-R-AC-200 or PSU/1RU-R-DC-200), F7/FAN-FILTER-SET/1HU	\$ 296.80
1013700024-01	Fan Air Filter Set with 10 Filters, for FSP 3000R7 1HU Front-Access Slimline Shelf with Extended Temperature Range and Pluggable Fan Unit (SH1HU-F/E+TEMP/PF), F7/FAN-FILTER/1HU-F	\$ 75.14
1013700026-01	Cable Tray Extension Kit for 7HU FSP 3000R7 Shelf, F7/CABLE TRAY EXTENSION/7HU	\$ 42.68
1013700027-01	Cable Tray Extension Kit for 9HU FSP 3000R7 Shelf, F7/CABLE TRAY EXTENSION/9HU	\$ 46.43
1013800024-01	Air Filter Pad Kit for FSP 3000 C 12RU Shelf (SH12) Card Cage and PSMs, 10x Air Filter Pads, F8/SA-AF-SH12, HW Rel 1.01	\$ 165.39
1013800024-02	Air Filter Pad Kit for FSP 3000 C 12RU Shelf (SH12) Card Cage, PSMs, and Front Cover with Air Filter, 10x Air Filter Pads, F8/SA-AF-SH12, HW Rel 2.01	\$ 220.00
1013800025-01	Metallic Air Filter for FSP 3000 C 12RU Shelf (SH12) Card Cage and PSMs, F8/SA-FAN-FILTER-METALLIC-SH12	\$ 224.70
1013800029-01	Rack Adapter Bracket Kit, 19-Inch (EIA/WECO), 23-inch and 600 mm Racks, for FSP 3000 C 12RU Shelf (SH12), F8/SA-BRACKET-SH12	\$ 195.28
1013800030-01	Mechanical Kit to Increase Cabling Space on FSP 3000 C 12RU Shelf (SH12), F8/SA-CTE-SH12, HW Rel 1.01	\$ 70.97
1013800031-01	Shelf Front Cover 110mm Extension Kit with Air Vents and Integrated Air Filter for the FSP 3000 C 12RU Shelf (SH12), For Optional Use with Shelves Equipped with M-Flex800 Modules, F8/SA-FCAF-SH12	\$ 429.00
1013800052-01	Air Filter Pad Kit for FSP 3000 C 1RU Front Access Shelf (SH1), F8/SA-AF-SH1	\$ 25.30
1013800062-02	FSP 3000 C 4RU Shelf (SH4R-2 or SH4R-3), Guide Rail Kit for 19", 23", and ETSI 4-Post Racks with 400 mm to 570 mm Post Distance, F8/SA-GUIDE-SH4-S, HW Rel 2.01	\$ 309.50
1013800064-02	FSP 3000 C 4RU Shelf (SH4R-2 or SH4R-3), Guide Rail Kit for 19", 23", and ETSI 4-Post Racks with 570 mm to 800 mm Post Distance, F8/SA-GUIDE-SH4-L, HW Rel 2.01	\$ 310.55
1013800065-01	Passive 1HU 200 mm Deep Fiber Drawer for use with FSP 3000 C SH4R-2, SH4R-3, SH3, SH2/SH2R, and T-SH1R-2 (TeraFlex) Shelves, Supports 19", 23", and ETSI Brackets, F8/TR1, HW Rel 1.03	\$ 207.35
1013800074-01	FSP 3000 C 4RU Shelf (SH4R, SH4R-2, or SH4R-3), Guide Rail and 19"/23"/ETSI Bracket Kit for Front-Mount or Mid-Mount Installation in 2-Post Racks, F8/SA-GUIDE-SH4-FM2	\$ 193.79
1013904439-01	FSP 150-XG120Pro, Air Filter Cage, for DC Shelf Variant, F150/ADV/XG120PRO/FLTR/CAGE/DC, HW Rel 1.01	\$ 16.50
1013904441-01	FSP 150-XG120Pro, Air Filter Cage, for AC Shelf Variant, F150/ADV/XG120PRO/FLTR/CAGE/AC, HW Rel 1.01	\$ 11.00

1040700005-01	Power Supply Module, DC for 7HU FSP 3000R7 Shelf, High Power, 800W, F7/PSU/7HU-DC-800, HW Rel 1.01	\$ 683.67
1040700006-01	Power Supply Module, AC for 7HU or 9HU FSP 3000R7 Shelf, High Power, 800W, F7/PSU/7HU-AC-800, HW Rel 1.02	\$ 678.52
1040700006-01	Power Supply Module, AC for 7HU or 9HU FSP 3000R7 Shelf, High Power, 800W, F7/PSU/7HU-AC-800, HW Rel 1.02	\$ 678.52
1040700011-01	Power Supply Module, AC for FSP 3000R7 SH1HU-R/PF, 200W, F7/PSU/1HU-R-AC-200, HW Rel 1.01	\$ 454.06
1040700012-01	Power Supply Module, DC for FSP 3000R7 SH1HU-R/PF, 200W, F7/PSU/1HU-R-DC-200, HW Rel 1.01	\$ 751.39
1040700013-01	DC Power Supply Module with Extended Temperature Range, for FSP 3000R7 SH1HU-F/E+TEMP/PF Front-Access Shelf and FSP 3000 C SH1 Front-Access Shelf, 230W, F7/PSU/1HU-F-DC, HW Rel 1.01	\$ 300.55
1040700013-01	DC Power Supply Module with Extended Temperature Range, for FSP 3000R7 SH1HU-F/E+TEMP/PF Front-Access Shelf and FSP 3000 C SH1 Front-Access Shelf, 230W, F7/PSU/1HU-F-DC, HW Rel 1.01	\$ 300.55
1040700014-02	AC Power Supply Module with Extended Temperature Range, for FSP 3000R7 SH1HU-F/E+TEMP/PF Front-Access Shelf and FSP 3000 C SH1 Front-Access Shelf, 230W, F7/PSU/1HU-F-AC, HW Rel 2.01	\$ 417.56
1040700014-02	AC Power Supply Module with Extended Temperature Range, for FSP 3000R7 SH1HU-F/E+TEMP/PF Front-Access Shelf and FSP 3000 C SH1 Front-Access Shelf, 230W, F7/PSU/1HU-F-AC, HW Rel 2.01	\$ 417.56
1040700042-01	Power Supply Module, AC for 9HU FSP 3000R7 Shelf, 1000W, F7/PSU/9HU-AC, HW Rel 1.02	\$ 619.89
1040800021-01	DC Power Supply Module for FSP 3000 C 12RU Shelf (SH12), 1200W, -48 to -60 VDC, F8/PSM-DC, HW Rel 1.03	\$ 1,196.23
1040800054-01	DC Power Supply Module for FSP 3000 C 4RU Rear Access Shelf (SH4R or SH4R-2), 800W, -48 to -60 VDC, F8/PSM-DC4, HW Rel 1.03	\$ 1,051.86
1040800057-01	DC Power Supply Module for FSP 3000 C 4RU Rear Access Shelf (SH4R-3 Only), 1450W, -48 to -60 VDC, F8/PSM-DC5, HW Rel 1.01	\$ 1,314.92
1040800065-01	AC Power Supply Module with Integrated Fan for FSP 3000 C 4RU Rear Access Shelf (SH4R, SH4R-2, or SH4R-3), 1450W, 110 to 220 VAC, F8/PSM-AC5, HW Rel 1.01	\$ 960.43
1040800065-02	AC Power Supply Module with Integrated Fan for FSP 3000 C 4RU Rear Access Shelf (SH4R, SH4R-2, or SH4R-3), 1450W, 110 to 220 VAC and 240V HVDC, F8/PSM-AC5, HW Rel 2.01	\$ 969.29
1040800066-01	AC Power Supply Module for FSP 3000 C 12RU Shelf (SH12), 1200W, 110 to 220 VAC with Decoupled Inlet for A/B Power, F8/PSM-AC6, HW Rel 1.01	\$ 1,254.74
1040800071-01	DC Power Supply Module for FSP 3000 C 1RU Front Access Shelf (SH1), 450W, -48 to -60 VDC, F8/PSM-DC10, HW Rel 1.01	\$ 474.10

1040800072-01	AC Power Supply Module for FSP 3000 C 1RU Front Access Shelf (SH1), 400W at 220 VAC and 350W at 120 VAC, 120 to 220 VAC, F8/PSM-AC10, HW Rel 1.01	\$ 474.10
1040904058-01	FSP 150-XG120Pro, 120W -48V DC Power Supply, F150/ADV/XG120PRO/PSD/-48V, HW Rel 1.01	\$ 251.90
1040904059-01	FSP 150-XGPro, 100W 240V AC Power Supply, F150/ADV/XGPRO/PSA/240V, HW Rel 1.02	\$ 493.90
1042004437-01	FSP 150-XG120Pro, Fan Tray Module and Exhaust Flow Guide, F150/ADV/XG120PRO/FAN-EXH, HW Rel 1.01	\$ 276.10
1042700020-01	Fan Module for 1HU FSP 3000R7 Slimline Shelf with Pluggable Fan Unit (SH1HU-R/PF), F7/FAN/1HU, HW Rel 1.01	\$ 168.64
1042700021-01	Fan Module with Fan Controller and Display, for 1HU FSP 3000R7 Front-Access Slimline Shelf with Extended Temperature Range and Pluggable Fan Unit (SH1HU-F/E+TEMP/PF), F7/FAN/1HU-F, HW Rel 1.01	\$ 488.40
1042700021-02	Fan Module with Fan Controller and Display, for 1HU FSP 3000R7 Front-Access Slimline Shelf with Extended Temperature Range and Pluggable Fan Unit (SH1HU-F/E+TEMP/PF), F7/FAN/1HU-F, HW Rel 2.01	\$ 507.94
1042800022-01	Fan Tray Module for FSP 3000 C 12RU Shelf (SH12), F8/FTM-2, HW Rel 1.01	\$ 638.53
1042800030-01	Fan Tray Module for FSP 3000 C 1RU Front Access Shelf (SH1), F8/FTM-10, HW Rel 1.01	\$ 372.90
1042800054-01	Fan Tray Module for FSP 3000 C 4RU Rear Access Shelf (SH4R, SH4R-2, or SH4R-3), F8/FTM-4, HW Rel 1.02	\$ 444.44
1043709841-03	ALM Monitor Unit with 1650 nm Measurement Wavelength, Extended Reach with Improved DWDM System Performance, AC Power, including 16x Monitor Ports with LC/APC Connectors, 1HU Half-Width Unit, 16ALM/#1650D/AC, HW Rel 3.01	\$13,942.84
1043709842-03	ALM Monitor Unit with 1650 nm Measurement Wavelength, Extended Reach with Improved DWDM System Performance, -48V DC Power, including 16x Monitor Ports with LC/APC Connectors, 1HU Half-Width Unit, 16ALM/#1650D/-48VDC, HW Rel 3.01	\$13,942.84
1043709846-02	ALM Monitor Unit with 1650 nm Measurement Wavelength, Extended Reach, AC Power, including 64x Monitor Ports with LC/APC Connectors and 19" Mounting Brackets, 1HU Full-Width Unit, 64ALM/#1650D/AC, HW Rel 2.01	\$25,371.40
1043709847-02	ALM Monitor Unit with 1650 nm Measurement Wavelength, Extended Reach, -48V DC Power, including 64x Monitor Ports with LC/APC Connectors and 19" Mounting Bracket, 1HU Full-Width Unit, 64ALM/#1650D/-48VDC, HW Rel 2.01	\$25,371.40

1043709863-01	ALM WDM Coupler Shelf, Passive/Unmanaged 1HU Full-Width Shelf with with 32x 1650 nm WDM Coupler Port Sets, LC/APC Upgrade/Monitor Port Connectors to ALM Monitor or Extender Unit, LC/PC Connectors to Client Ports, LC/PC Connectors to Network Ports, and Mounting Kit, 32/1CSM/1HU+#1650, HW Rel 1.02	\$ 5,815.87
1043709866-01	ALM WDM Coupler Shelf, Passive/Unmanaged 1HU Half-Width Filter Unit, with 8x 1650 nm WDM Coupler Port Sets, LC/APC Upgrade/Monitor Port Connectors to ALM Monitor or Extender Unit, LC/PC Connectors to Client Ports, and LC/PC Connectors to Network Ports, 8/1CSM/1HU+#1650, HW Rel 1.02	\$ 1,866.67
1043709867-01	Reusable Water Sensor for ALM Applications, Intended for Mounting in a Fiber Tray, FAS/ALM/WTS	\$ 330.00
1043709876-01	Door/Cabinet Sensor for ALM Applications, with LC/APC Connectors, ALM/DS	\$ 440.00
1043739861-01	ALM WDM Coupler Shelf, Passive/Unmanaged 1HU Full-Width Shelf with 16x 1650 nm WDM Coupler Port Sets, LC/APC Upgrade/Monitor Port Connectors to ALM Monitor or Extender Unit, LC/PC Connectors to Client Ports, LC/PC Connectors to Network Ports, and Mounting Kit, 16/1CSM/1HU+#1650, HW Rel 1.03	\$ 2,594.63
1043739871-01	ALM Fast-Pluggable Demarcation Reflector, SC/PC Connector, DR/PTP/SC, HW Rel 1.01	\$ 245.08
1043739877-01	ALM Fast-Pluggable Demarcation Reflector Optimized for Grey and DWDM Channels, SC/PC Connector, DR/PTP/SC/GREY, HW Rel 1.01	\$ 50.80
1043739878-01	ALM Fast-Pluggable Demarcation Reflector Optimized for Grey and DWDM Channels, SC/APC Connector, DR/PTP/SC/APC/GREY, HW Rel 1.01	\$ 50.80
1043739879-01	ALM Demarcation Reflector, for Use With the FSP 3000R7 OSFMA+#1510, LC/APC Connector, DR/OSFMA/LA, HW Rel 1.01	\$ 34.65
1043739881-01	ALM Fast-Pluggable Demarcation Reflector Optimized for PON, Grey, and DWDM Channels, LC/PC Connector, DR/PTP/LC/GREY, HW Rel 1.01	\$ 54.60
1043739882-01	ALM Fast-Pluggable Demarcation Reflector Optimized for PON, Grey, and DWDM Channels, LC/APC Connector, DR/PTP/LC/APC/GREY, HW Rel 1.01	\$ 54.60
1043739883-01	ALM Demarcation Reflector, SC/APC Connector, DR/PTP/SC/APC, HW Rel 1.01	\$ 245.08
1043739884-01	ALM Demarcation Reflector for 9x Fibers/Degrees, Optimized for Grey and DWDM Channels, SC/APC Connectors, DR/PTP/SC9/GREY, HW Rel 1.01	\$ 122.10
1051002601-01	112G QSFP28 Active Optical Cable (AOC), 1 meter, for 100GbE (with IEEE 802.3bj FEC) and OTU4 (with GFEC), Multi-Mode, 4x 28G Lanes on Separate Ribbon Fibers, 850 nm, QSFP28/112G/AOC/0100, HW Rel 1.02	\$ 592.02



1051002601-01	112G QSFP28 Active Optical Cable (AOC), 1 meter, for 100GbE (with IEEE 802.3bj FEC) and OTU4 (with GFEC), Multi-Mode, 4x 28G Lanes on Separate Ribbon Fibers, 850 nm, QSFP28/112G/AOC/0100, HW Rel 1.02	\$ 592.02
1051002603-01	112G QSFP28 Active Optical Cable (AOC), 3 meters, for 100GbE (with IEEE 802.3bj FEC) and OTU4 (with GFEC), Multi-Mode, 4x 28G Lanes on Separate Ribbon Fibers, 850 nm, QSFP28/112G/AOC/0300, HW Rel 1.02	\$ 592.02
1051002603-01	112G QSFP28 Active Optical Cable (AOC), 3 meters, for 100GbE (with IEEE 802.3bj FEC) and OTU4 (with GFEC), Multi-Mode, 4x 28G Lanes on Separate Ribbon Fibers, 850 nm, QSFP28/112G/AOC/0300, HW Rel 1.02	\$ 592.02
1051002605-01	112G QSFP28 Active Optical Cable (AOC), 5 meters, for 100GbE (with IEEE 802.3bj FEC) and OTU4 (with GFEC), Multi-Mode, 4x 28G Lanes on Separate Ribbon Fibers, 850 nm, QSFP28/112G/AOC/0500, HW Rel 1.02	\$ 592.02
1051002605-01	112G QSFP28 Active Optical Cable (AOC), 5 meters, for 100GbE (with IEEE 802.3bj FEC) and OTU4 (with GFEC), Multi-Mode, 4x 28G Lanes on Separate Ribbon Fibers, 850 nm, QSFP28/112G/AOC/0500, HW Rel 1.02	\$ 592.02
1051002635-01	112G QSFP28 Direct Attached Cable (DAC) with CDR and EPROM, 1 meter, for 100GbE and OTU4, QSFP28-DAC Format, 4x 28G Lanes on Electrical Cable, QSFP28/112G/DAC/CR/0100, HW Rel 1.01	\$ 743.42
1051002635-01	112G QSFP28 Direct Attached Cable (DAC) with CDR and EPROM, 1 meter, for 100GbE and OTU4, QSFP28-DAC Format, 4x 28G Lanes on Electrical Cable, QSFP28/112G/DAC/CR/0100, HW Rel 1.01	\$ 743.42
1061700635-01	112G CFP DWDM Transceiver, DP-QPSK Transmission with Coherent Receiver and Integrated Tx SOA, Usable In Colorless Applications, for use with 100G Metro/Enterprise and Core Modules, Full C-Band Tunable with Increased Spectral Efficiency (128 or 96 wavelengths), 37.5 GHz or 50 GHz Locked, CFP/112G/#DCTCA/SM/LC, HW Rel 1.02	\$17,574.71
1061700636-01	448G CFP2-DCO DWDM Transceiver, QAM Transmission with Coherent Receiver and Integrated Tunable Tx Filter for Use In Colorless Applications, Provisionable from 100G to 400G with QPSK, 8QAM, or 16QAM, Full C-Band Tunable (191.23 to 196.10 THz on a 12.5 GHz Grid), LC Connector, CFP2/448G/#DCTCG/SM/LC, HW Rel 1.01	\$25,885.20
1061700636-02	448G CFP2-DCO DWDM Transceiver, QAM Transmission with Coherent Receiver and Integrated Tunable Tx Filter for Use In Colorless Applications, Provisionable from 100G to 400G with QPSK, 8QAM, or 16QAM, Full C-Band Tunable (191.23 to 196.10 THz on a 12.5 GHz Grid), LC Connector, CFP2/448G/#DCTCG/SM/LC, HW Rel 2.01	\$25,885.20
1061700637-01	448G CFP2-DCO DWDM Transceiver, QAM Transmission with Coherent Receiver, Provisionable from 100G to 400G with QPSK, 8QAM, or 16QAM, Full C-Band Tunable (191.23 to 196.10 THz on a 12.5 GHz Grid), LC Connector, CFP2/448G/#DCTC/SM/LC, HW Rel 1.01	\$23,931.60

1061700637-02	448G CFP2-DCO DWDM Transceiver, QAM Transmission with Coherent Receiver, Provisionable from 100G to 400G with QPSK, 8QAM, or 16QAM, Full C-Band Tunable (191.23 to 196.10 THz on a 12.5 GHz Grid), LC Connector, CFP2/448G/#DCTC/SM/LC, HW Rel 2.01	\$23,931.60
1061700639-01	448G CFP2-DCO DWDM Transceiver, QAM Transmission with Coherent Receiver, Provisionable from 200G to 400G with QPSK, 8QAM, or 16QAM, Full C-Band Tunable (191.23 to 196.10 THz on a 6.25 GHz Grid), LC Connector, CFP2/448G/#DCTCA/SM/LC, HW Rel 1.01	\$20,981.66
1061700640-01	448G CFP2-DCO DWDM Transceiver, QAM Transmission with Coherent Receiver and Integrated Tunable Tx Filter for Use In Colorless Applications, Provisionable from 200G to 400G with QPSK, 8QAM, or 16QAM, Full C-Band Tunable (191.23 to 196.10 THz on a 6.25 GHz Grid), LC Connector, CFP2/448G/#DCTCAG/SM/LC, HW Rel 1.01	\$23,779.22
1061700641-01	448G CFP2-DCO DWDM Transceiver, High-Performance with Low Minimum Rx OSNR Requirement, QAM Transmission with Coherent Receiver and Integrated Tunable Tx Filter for Use In Colorless Applications, Provisionable from 100G to 400G with QPSK, 8QAM, or 16QAM, Full C-Band Tunable (191.23 to 196.10 THz on a 12.5 GHz Grid), LC Connector, CFP2/448G/#DCTCV/SM/LC, HW Rel 1.01	\$27,412.00
1061700642-01	448G CFP2-DCO DWDM Transceiver, QAM Transmission with Coherent Receiver and Separate Tx/Rx Lasers for Single Fiber Working Applications, Provisionable from 100G to 400G with QPSK, 8QAM, or 16QAM, Full C-Band Tunable (191.23 to 196.10 THz on a 12.5 GHz Grid), LC Connector, CFP2/448G/#BDCTC/SM/LC, HW Rel 1.01	\$29,590.00
1061700655-02	112G CFP Transceiver for 100GbE and OTU4, 100G LR4 Format, 4x 12xx/13xx nm Lanes, 10 km Reach, CFP/112G/LR4/SM/LC, HW Rel 2.01	\$ 3,889.74
1061701103-01	28G SFP28 Transceiver for 32G/16G Fibre Channel, LC Connector, Single Mode, 1310 nm, 10 km Long Reach, SFP28/32GFC/LR/SM/LC, HW Rel 1.01	\$ 1,408.00
1061701104-01	28G SFP28 Transceiver for 32G/16G Fibre Channel, LC Connector, Multi-Mode, 850 nm, 100 m Short Reach, SFP28/32GFC/SR/MM/LC, HW Rel 1.01	\$ 1,056.00
1061701111-01	25G SFP28 Transceiver with Industrial Temperature Range for 25GbE, 1310 nm Single Mode with Short Reach, SFP28/25GU/LR/SM/LC/TIN, HW Rel 1.01	\$ 477.40
1061701115-01	25G SFP28 Transceiver with Widened Temperature Range for 25GbE, 850 nm Multimode with Intra-Office Reach, LC Connector, SFP28/25G/SR/MM/LC/TWD, HW Rel 1.01	\$ 435.60
1061701850-03	11G SFP+ Transceiver, 1310 nm, Standard Reach, 5.000-11.400 Gbit/s, SFP+/11GU/1310S/SM/LC, HW Rel 3.01	\$ 92.37
1061701851-02	10G SFP+ Transceiver, 1310 nm, Standard Reach, 5.000-10.518 Gbit/s, SFP+/10G/1310S/SM/LC, HW Rel 2.01	\$ 92.37

1061701854-03	11G SFP+ Transceiver, 850 nm, Intra-Office Reach, 5.000-11.400 Gbit/s, SFP+/11GU/850I/MM/LC, HW Rel 3.01	\$ 90.37
1061701855-02	10G SFP+ Transceiver, 850 nm, Intra-Office Reach, 5.000-10.518 Gbit/s, SFP+/10G/850I/MM/LC, HW Rel 2.01	\$ 82.20
1061701858-02	11G SFP+ Transceiver, 850 nm, Intra-Office Reach, 5.000-11.400 Gbit/s, with Industrial Temperature Range (I-Temp), SFP+/11GU/850I/MM/LC/TIN, HW Rel 2.01	\$ 55.00
1061701859-02	11G SFP+ Transceiver, 1310 nm, Standard Reach, 5.000-11.400 Gbit/s, with Industrial Temperature Range (I-Temp), SFP+/11GU/1310S/SM/LC/TIN, HW Rel 2.01	\$ 99.00
1061701863-01	8G/10G SFP+ Transceiver with CDR, 1310 nm, Standard Reach, 8.5 Gbit/s, 9.9533 Gbit/s, 10 Gbit/s, 10.3125 Gbit/s, 10.709 Gbit/s, 11.0491 Gbit/s, 11.0957 Gbit/s, and 11.3176 Gbit/s, SFP+CDR/11GU/1310S/SM/LC, HW Rel 1.01	\$ 106.84
1061701865-02	8G/10G SFP+ Transceiver with CDR, 850 nm, Intra-Office Reach, 8.5 Gbit/s, 10.3125 Gbit/s, and 10.518 Gbit/s, SFP+CDR/10GU/850I/MM/LC, HW Rel 2.01	\$ 119.85
1061701871-01	11G SFP+ Transceiver with CDR, Single-Fiber Bidirectional, 1270 nm Tx / 1330 nm Rx, Short Reach, 9.953 Gbit/s-10.519 Gbit/s, SFP+CDR/11GU/B1270S/SM/LC, HW Rel 1.01	\$ 396.09
1061701872-01	11G SFP+ Transceiver with CDR, Single-Fiber Bidirectional, 1330 nm Tx / 1270 nm Rx, Short Reach, 9.953 Gbit/s-10.519 Gbit/s, SFP+CDR/11GU/B1330S/SM/LC, HW Rel 1.01	\$ 396.09
1061701873-01	11G SFP+ Transceiver with CDR, Single-Fiber Bidirectional, 1270 nm Tx / 1330 nm Rx, Long Reach, 9.953 Gbit/s-10.519 Gbit/s, SFP+CDR/11GU/B1270L/SM/LC, HW Rel 1.01	\$ 504.63
1061701874-01	11G SFP+ Transceiver with CDR, Single-Fiber Bidirectional, 1330 nm Tx / 1270 nm Rx, Long Reach, 9.953 Gbit/s-10.519 Gbit/s, SFP+CDR/11GU/B1330L/SM/LC, HW Rel 1.01	\$ 504.63
1061701891-01	10G XFP Transceiver, Single-Fiber Bidirectional, 1270 nm Tx / 1330 nm Rx, Short Reach, 9.953 Gbit/s-10.519 Gbit/s, with Industrial Temperature Range (I-Temp), XFP/10G/B1270S/SM/LC/TIN, HW Rel 1.01	\$ 203.50
1061701892-01	10G XFP Transceiver, Single-Fiber Bidirectional, 1330 nm Tx / 1270 nm Rx, Short Reach, 9.953 Gbit/s-10.519 Gbit/s, with Industrial Temperature Range (I-Temp), XFP/10G/B1330S/SM/LC/TIN, HW Rel 1.01	\$ 203.50
1061701997-01	10G SFP+ Transceiver with CDR, 850 nm, Intra-Office Reach, 10.3125 Gbit/s, and 10.518 Gbit/s, with Industrial Temperature Range, SFP+CDR/10GU/850I/MM/LC/TIN, HW Rel 1.01	\$ 137.50
1061701998-01	11G SFP+ Transceiver with CDR, 1310 nm, Standard Reach, 8.5 Gbit/s, 9.9533 Gbit/s, 10 Gbit/s, 10.3125 Gbit/s, 10.709 Gbit/s, 11.0491 Gbit/s, 11.0957 Gbit/s, and 11.3176 Gbit/s, with Industrial Temperature Range, SFP+CDR/11GU/1310S/SM/LC/TIN, HW Rel 1.01	\$ 143.00

1061702000-02	Up to 11G SFP+ DWDM Transceiver, Very Long Reach, C-Band Tunable, 96 Wavelengths, SFP+/11GU/DCTV/SM/LC, HW Rel 2.01	\$ 2,200.17
1061702097-01	11G SFP+ Transceiver, Single-Fiber Bidirectional, 1490 nm Tx / 1550 nm Rx, Very Long Reach, 9.953 Gbit/s-11.096 Gbit/s, SFP+/11G/B1490V/SM/LC, HW Rel 1.01	\$ 2,458.23
1061702098-01	11G SFP+ Transceiver, Single-Fiber Bidirectional, 1550 nm Tx / 1490 nm Rx, Very Long Reach, 9.953 Gbit/s-11.096 Gbit/s, SFP+/11G/B1550V/SM/LC, HW Rel 1.01	\$ 2,458.23
1061702099-01	Up to 11G SFP+ DWDM Transceiver, Very Long Reach with Extended Output Power, C-Band Tunable, 96 Wavelengths, SFP+/11GU/DCTVX/SM/LC, HW Rel 1.01	\$ 3,092.88
1061702100-01	Up to 11G SFP+ DWDM Transceiver, LR OSNR optimized/LN with Enhanced Performance, C-Band Tunable, 96 Wavelengths, SFP+/11GU/DCTLN/SM/LC, HW Rel 1.01	\$ 2,285.64
1061702182-01	Up to 11G SFP+ DWDM Transceiver, 80 km Reach, C-Band Tunable with Auto Wavelength Tuning, 48 Wavelengths with 100 GHz Spacing, I-Temp, SFP+/11GU/AT-V/SM/LC/TIN, HW Rel 1.01	\$ 1,980.00
1061702200-01	Up to 11G SFP+ DWDM Transceiver, Very Long Reach (80 km), C-Band Tunable, 96 Wavelengths, with Industrial Temperature Range (I-Temp), SFP+/11GU/DCTV/SM/LC/TIN, HW Rel 1.01	\$ 2,740.10
1061702591-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1470, SFP+/11GU/C1470V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702591-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1470, SFP+/11GU/C1470V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702592-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1490, SFP+/11GU/C1490V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702592-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1490, SFP+/11GU/C1490V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702593-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1510, SFP+/11GU/C1510V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702593-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1510, SFP+/11GU/C1510V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702594-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1530, SFP+/11GU/C1530V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702594-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1530, SFP+/11GU/C1530V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702595-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1550, SFP+/11GU/C1550V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702595-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1550, SFP+/11GU/C1550V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702596-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1570, SFP+/11GU/C1570V/SM/LC, HW Rel 2.01	\$ 1,742.66

1061702596-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1570, SFP+/11GU/C1570V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702597-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1590, SFP+/11GU/C1590V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702597-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1590, SFP+/11GU/C1590V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702598-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1610, SFP+/11GU/C1610V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702598-02	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1610, SFP+/11GU/C1610V/SM/LC, HW Rel 2.01	\$ 1,742.66
1061702600-01	11G SFP+ Transceiver, Single-Fiber Bidirectional, 1270 nm Tx / 1330 nm Rx, Short Reach, with Industrial Temperature Range (I-Temp), SFP+/11GU/B1270S/SM/LC/TIN, HW Rel 1.01	\$ 227.70
1061702601-01	11G SFP+ Transceiver, Single-Fiber Bidirectional, 1330 nm Tx / 1270 nm Rx, Short Reach, with Industrial Temperature Range (I-Temp), SFP+/11GU/B1330S/SM/LC/TIN, HW Rel 1.01	\$ 227.70
1061702602-01	11G SFP+ Transceiver, Single-Fiber Bidirectional, 1270 nm Tx / 1330 nm Rx, Long Reach, with Industrial Temperature Range (I-Temp), SFP+/11GU/B1270L/SM/LC/TIN, HW Rel 1.01	\$ 427.90
1061702603-01	11G SFP+ Transceiver, Single-Fiber Bidirectional, 1330 nm Tx / 1270 nm Rx, Long Reach, with Industrial Temperature Range (I-Temp), SFP+/11GU/B1330L/SM/LC/TIN, HW Rel 1.01	\$ 427.90
1061702891-01	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1470, with Industrial Temperature Range, SFP+/11GU/C1470V/SM/LC/TIN, HW Rel 1.01	\$ 924.00
1061702892-01	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1490, with Industrial Temperature Range, SFP+/11GU/C1490V/SM/LC/TIN, HW Rel 1.01	\$ 924.00
1061702893-01	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1510, with Industrial Temperature Range, SFP+/11GU/C1510V/SM/LC/TIN, HW Rel 1.01	\$ 924.00
1061702894-01	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1530, with Industrial Temperature Range, SFP+/11GU/C1530V/SM/LC/TIN, HW Rel 1.01	\$ 924.00
1061702895-01	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1550, with Industrial Temperature Range, SFP+/11GU/C1550V/SM/LC/TIN, HW Rel 1.01	\$ 924.00
1061702896-01	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1570, with Industrial Temperature Range, SFP+/11GU/C1570V/SM/LC/TIN, HW Rel 1.01	\$ 924.00
1061702897-01	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1590, with Industrial Temperature Range, SFP+/11GU/C1590V/SM/LC/TIN, HW Rel 1.01	\$ 924.00

1061702898-01	Up to 11G SFP+ CWDM Transceiver, Very Long Reach, CH #C1610, with Industrial Temperature Range, SFP+/11GU/C1610V/SM/LC/TIN, HW Rel 1.01	\$ 924.00
1061705850-02	SFP Transceiver, 1310 nm, Standard Reach, Gigabit Ethernet (FSP 3000/FSP150) and Fast Ethernet (FSP 150 only), with Industrial Temperature Range, SFP/GBE/1310S/SM/LC/TIN, HW Rel 2.01	\$ 40.69
1061705851-02	SFP Transceiver, 1310 nm, Long Reach, Gigabit Ethernet (FSP 3000/FSP150) and Fast Ethernet (FSP 150 only), with Industrial Temperature Range, SFP/GBE/1310L/SM/LC/TIN, HW Rel 2.01	\$ 125.04
1061705852-02	SFP Transceiver, 1550 nm, Very Long Reach, Gigabit Ethernet (FSP 3000/FSP150) and Fast Ethernet (FSP 150 only), with Industrial Temperature Range, SFP/GBE/1550V/SM/LC/TIN, HW Rel 2.01	\$ 379.98
1061705854-02	SFP Transceiver, 850 nm, Intra-Office Reach, Gigabit Ethernet (FSP 3000/FSP150) and Fast Ethernet (FSP 150 only), with Industrial Temperature Range, SFP/GBE/850I/MM/LC/TIN, HW Rel 2.01	\$ 51.92
1061800720-01	112G QSFP28 Transceiver for 100GbE (no FEC) and OTU4, LC Connector, Single Mode, QSFP28-LR4 Format, 4x 28G Lanes on Shared Fibers, LAN WDM around 1310 nm, 10 km Reach, QSFP28/112G/LR4/SM/LC, HW Rel 1.01	\$ 2,083.24
1061800720-01	112G QSFP28 Transceiver for 100GbE (no FEC) and OTU4, LC Connector, Single Mode, QSFP28-LR4 Format, 4x 28G Lanes on Shared Fibers, LAN WDM around 1310 nm, 10 km Reach, QSFP28/112G/LR4/SM/LC, HW Rel 1.01	\$ 2,083.24
1061800720-11	112G QSFP28 Transceiver for 100GbE (no FEC) and OTU4, LC Connector, Single Mode, QSFP28-LR4 Format, 4x 28G Lanes on Shared Fibers, LAN WDM around 1310 nm, 10 km Reach, QSFP28/112G/LR4/SM/LC, HW Rel 11.01	\$ 2,200.03
1061800724-01	112G QSFP28 Transceiver for 100GbE (with IEEE 802.3bj FEC), OTU4 (with GFEC), 25GbE, 40GbE, 16G FC, and 32G FC, MPO12 Connector, Multi-Mode, QSFP28-SR4 Format, 4x 28G Lanes on Separate Ribbon Fibers, 850 nm, 100 m Reach, QSFP28/112G/SR4/MM/MPO, HW Rel 1.01	\$ 470.01
1061800724-01	112G QSFP28 Transceiver for 100GbE (with IEEE 802.3bj FEC), OTU4 (with GFEC), 25GbE, 40GbE, 16G FC, and 32G FC, MPO12 Connector, Multi-Mode, QSFP28-SR4 Format, 4x 28G Lanes on Separate Ribbon Fibers, 850 nm, 100 m Reach, QSFP28/112G/SR4/MM/MPO, HW Rel 1.01	\$ 470.01
1061800724-02	112G QSFP28 Transceiver for 100GbE (with IEEE 802.3bj FEC), OTU4 (with GFEC), 25GbE, 40GbE, 16G FC, and 32G FC, MPO12 Connector, Multi-Mode, QSFP28-SR4 Format, 4x 28G Lanes on Separate Ribbon Fibers, 850 nm, 100 m Reach, QSFP28/112G/SR4/MM/MPO, HW Rel 2.01	\$ 470.01
1061800724-02	112G QSFP28 Transceiver for 100GbE (with IEEE 802.3bj FEC), OTU4 (with GFEC), 25GbE, 40GbE, 16G FC, and 32G FC, MPO12 Connector, Multi-Mode, QSFP28-SR4 Format, 4x 28G Lanes on Separate Ribbon Fibers, 850 nm, 100 m Reach, QSFP28/112G/SR4/MM/MPO, HW Rel 2.01	\$ 470.01

1061800730-01	112G QSFP28 Transceiver for 100GbE and OTU4, FEC Optional, LC Connector, Single Mode, QSFP28-ER4F Format, 4x 28G Lanes on Shared Fibers, CWDM around 1310 nm, 40 km Reach with FEC and 25 km Reach without FEC, QSFP28/112G/ER4F/SM/LC, HW Rel 1.01	\$ 8,592.05
1061800730-01	112G QSFP28 Transceiver for 100GbE and OTU4, FEC Optional, LC Connector, Single Mode, QSFP28-ER4F Format, 4x 28G Lanes on Shared Fibers, CWDM around 1310 nm, 40 km Reach with FEC and 25 km Reach without FEC, QSFP28/112G/ER4F/SM/LC, HW Rel 1.01	\$ 8,592.05
1061800740-01	103G QSFP28 Transceiver for 100GbE (no FEC), LC Connector, Single Mode, QSFP28-LR4 Format, 4x 28G Lanes on Shared Fibers, LAN WDM around 1310 nm, 10 km Reach, QSFP28/103G/LR4/SM/LC, HW Rel 1.01	\$ 2,058.03
1061800744-01	103G QSFP28 Transceiver for 100GbE (with IEEE 802.3bj FEC), MPO12 Connector, Multi-Mode, QSFP28-SR4 Format, 4x 28G Lanes on Separate Ribbon Fibers, 850 nm, 100 m Reach, QSFP28/103G/SR4/MM/MPO, HW Rel 1.01	\$ 401.63
1061800750-01	106G QSFP28 Transceiver for 100GbE, LC Connector, Single Mode, QSFP28-LR Format, 53 GBd PAM4, 10 km Reach, QSFP28/106G/LR/SM/LC, HW Rel 1.01	\$ 1,375.00
1061800750-11	106G QSFP28 Transceiver for 100GbE, LC Connector, Single Mode, QSFP28-LR Format, 53 GBd PAM4, 10 km Reach, QSFP28/106G/LR/SM/LC, HW Rel 11.01	\$ 1,375.00
1061800751-01	106G QSFP28 Transceiver for 100GbE, LC Connector, Single Mode, QSFP28-DR Format, 53 GBd PAM4, 500 m Reach, QSFP28/106G/DR/SM/LC, HW Rel 1.01	\$ 976.80
1061800752-01	103G QSFP28 Transceiver for 100GbE (no FEC), MPO12 Connector, Single Mode, QSFP28-PSM4 Format, 4x 28G Lanes on Separate Ribbon Fibers, 1310 nm, 500 m Reach, QSFP28/103G/PSM4/SM/MPO, HW Rel 1.01	\$ 1,126.16
1061800752-01	103G QSFP28 Transceiver for 100GbE (no FEC), MPO12 Connector, Single Mode, QSFP28-PSM4 Format, 4x 28G Lanes on Separate Ribbon Fibers, 1310 nm, 500 m Reach, QSFP28/103G/PSM4/SM/MPO, HW Rel 1.01	\$ 1,126.16
1061800753-02	112G QSFP28 Transceiver for 100GbE (no FEC), OTU4, 25GbE, 40GbE, and 32G FC, MPO12 Connector, Single Mode, QSFP28-PSM4 Format, 4x 28G Lanes on Separate Ribbon Fibers, 1310 nm, 500 m Reach, QSFP28/112G/PSM4/SM/MPO, HW Rel 2.01	\$ 1,153.77
1061800753-03	112G QSFP28 Transceiver for 100GbE (no FEC), OTU4, 25GbE, 40GbE, and 32G FC, MPO12 Connector, Single Mode, QSFP28-PSM4 Format, 4x 28G Lanes on Separate Ribbon Fibers, 1310 nm, 500 m Reach, QSFP28/112G/PSM4/SM/MPO, HW Rel 3.01	\$ 1,153.77

1061800756-01	103G QSFP28 Transceiver for 100GbE (no FEC), LC Connector, Single Mode, QSFP28-CWDM4 Format, 4x 28G Lanes on Shared Fibers, CWDM around 1310 nm, 2 km Reach, QSFP28/103G/CWDM4/SM/LC, HW Rel 1.01	\$ 758.22
1061800756-01	103G QSFP28 Transceiver for 100GbE (no FEC), LC Connector, Single Mode, QSFP28-CWDM4 Format, 4x 28G Lanes on Shared Fibers, CWDM around 1310 nm, 2 km Reach, QSFP28/103G/CWDM4/SM/LC, HW Rel 1.01	\$ 758.22
1061800757-01	103G QSFP28 Transceiver for 100GbE (no FEC), LC Connector, Single Mode, QSFP28-CWDM4 Format with Extended Reach, 4x 28G Lanes on Shared Fibers, CWDM around 1310 nm, 10 km Reach, QSFP28/103G/CWDM4E/SM/LC, HW Rel 1.01	\$ 802.07
1061800767-02	103G QSFP28 Transceiver for 100GbE (no FEC) with Industrial Temperature Range (I-Temp), LC Connector, Single Mode, QSFP28-LR4 Format, 4x 28G Lanes on Shared Fibers, LAN WDM around 1310 nm, 10 km Reach, QSFP28/103G/LR4/SM/LC/TIN, HW Rel 2.01	\$ 2,640.00
1061800768-01	106G QSFP28 Transceiver for 100GbE, LC Connector, Single Mode, QSFP28-FR Format, 53 GBd PAM4, 2 km Reach, QSFP28/106G/FR/SM/LC, HW Rel 1.01	\$ 1,021.85
1061800768-01	106G QSFP28 Transceiver for 100GbE, LC Connector, Single Mode, QSFP28-FR Format, 53 GBd PAM4, 2 km Reach, QSFP28/106G/FR/SM/LC, HW Rel 1.01	\$ 1,021.85
1061800770-01	43G QSFP10 Transceiver for 40GbE/OTU3/OTU3e2, LC Connector, Single Mode, QSFP10-LR4 Format, 4x 10G Lanes on Shared Fibers, CWDM, 10 km Reach, QSFP10/43G/LR4/SM/LC, HW Rel 1.01	\$ 1,070.69
1061800770-11	43G QSFP10 Transceiver for 40GbE/OTU3/OTU3e2, LC Connector, Single Mode, QSFP10-LR4 Format, 4x 10G Lanes on Shared Fibers, CWDM, 10 km Reach, QSFP10/43G/LR4/SM/LC, HW Rel 11.01	\$ 1,125.50
1061800774-01	43G QSFP10 Transceiver for 1x 40GbE/OTU3/OTU3e2, 4x 10GbE, 4x OTU2, 4x OTU1e, 4x OTU2e, 4x 10G FC, 4x 10G IB, 4x OC-192/STM-64, 4x OC-48/STM-16, 4x OTU1, 4x 4G FC, 4x 5G IB, 4x 10xCPRI, and 4x 8G FC, MPO12 Connector, Multi-Mode, QSFP10-SR4 Format, 4x 10G Lanes on Separate Ribbon Fibers, 850 nm, 100 m Reach, QSFP10/43G/SR4/MM/MPO, HW Rel 1.02	\$ 220.92
1061800780-01	4x 10G QSFP10 Transceiver for 4x 10GbE, 4x OTU2, 4x OTU1e, 4x OTU2e, 4x 10G FC, 4x 10G IB, 4x OC-192/STM-64, 4x OC-48/STM-16, 4x OTU1, 4x 4G FC, 4x 5G IB, 4x 10xCPRI, and 4x 8G FC, MPO12 Connector, Single Mode, QSFP10-4LR Format, 4x 10G Services via MPO Breakout, 1310 nm, 10 km Reach, QSFP10/11G/4LR/SM/MPO, HW Rel 1.01	\$ 885.15



1061800780-11	4x 10G QSFP10 Transceiver for 4x 10GbE, 4x OTU2, 4x OTU1e, 4x OTU2e, 4x 10G FC, 4x 10G IB, 4x OC-192/STM-64, 4x OC-48/STM-16, 4x OTU1, 4x 4G FC, 4x 5G IB, 4x 10xCPRI, and 4x 8G FC, MPO12 Connector, Single Mode, QSFP10-4LR Format, 4x 10G Services via MPO Breakout, 1310 nm, 10 km Reach, QSFP10/11G/4LR/SM/MPO, HW Rel 11.01	\$ 935.72
1061800790-01	56G QSFP14 Transceiver for 4x 8G FC, 4x 16xCPRI, 4x 10G IB, 4x 10GbE, 4x 16G FC, or 1x 40GbE, MPO12 Connector, Multi-Mode, QSFP14-SR4 Format, 4x 16G Lanes on Separate Ribbon Fibers, 850 nm, 100 m Reach, QSFP14/56G/SR4/MM/MPO, HW Rel 1.01	\$ 666.80
1061800791-01	4x 16G QSFP14 Transceiver for 4x 8G FC, 4x 16xCPRI, 4x 10G IB, 4x 10GbE, or 16G FC, MPO12 Connector, Single Mode, QSFP14-4LR Format, 4x 16G Services via MPO Breakout, 1310 nm, 10 km Reach, QSFP14/16GFC/4LR/SM/MPO, HW Rel 1.01	\$ 1,106.44
1061800920-01	425G QSFP56-DD Transceiver for 400GbE, LC Connector, Single Mode, 400GBASE-FR4 Format, 4x 106G PAM4 Lanes on Shared Fibers, CWDM around 1310 nm, 2 km Reach, QSFP56-DD/425G/FR4/SM/LC, HW Rel 1.01	\$ 4,843.82
1061800924-01	425G QSFP56-DD Transceiver for 400GbE or 4x 100GbE, MPO12 Connector, Single Mode, 400GBASE-DR4 Format, 4x 106G PAM4 Lanes on Separate Ribbon Fibers, 1310 nm, 500 m Reach, QSFP56-DD/425G/DR4/SM/MPO, HW Rel 1.01	\$ 4,675.58
1061800925-01	425G QSFP56-DD Transceiver for 400GbE or 4x 100GbE, MPO12 Connector, Single Mode, 400GBASE-DR4E Format, 4x 106G PAM4 Lanes on Separate Ribbon Fibers, 1310 nm, 10 km Reach, QSFP56-DD/425G/DR4E/SM/MPO, HW Rel 1.01	\$ 5,478.00
1061800930-01	425G QSFP56-DD Transceiver for 400GbE, LC Connector, Single Mode, 400GBASE-LR4 Format, 4x 106G PAM4 Lanes on Shared Fibers, LAN WDM around 1310 nm, 10 km Reach, QSFP56-DD/425G/LR4/SM/LC, HW Rel 1.01	\$ 5,045.65
1061800930-11	425G QSFP56-DD Transceiver for 400GbE, LC Connector, Single Mode, 400GBASE-LR4 Format, 4x 106G PAM4 Lanes on Shared Fibers, LAN WDM around 1310 nm, 10 km Reach, QSFP56-DD/425G/LR4/SM/LC, HW Rel 11.01	\$ 5,170.00
1061800931-01	425G QSFP56-DD Transceiver for 400GbE, MPO16 Connector, Multi-Mode, QSFP-DD-SR8 Format, 8x 56G Lanes on Separate Ribbon Fibers, 850 nm, 70 m (OM3) to 100 m reach (OM4), QSFP56-DD/425G/SR8/MM/MPO, HW Rel 1.01	\$ 2,547.12

1061800934-01	Up to 400G QSFP56-DD DWDM Transceiver Based on OpenZR+ Specifications with Ethernet Host Side Handoff, QAM Transmission with Coherent Receiver, Provisionable for 400G 16QAM, 300G 8QAM, 200G QPSK, and 100G QPSK, Full C-Band Tunable (191.2375 to 196.1000 THz on a 6.25 GHz Grid), LC Connector, QSFP56-DD/425G/OZR+/SM/LC, HW Rel 1.01	\$13,200.00
1061800935-01	Up to 400G QSFP56-DD DWDM Transceiver Based on OpenZR+ Specifications with Ethernet Host Side Handoff, 0 dBm Variant with High Tx Power, QAM Transmission with Coherent Receiver, Provisionable for 400G 16QAM, 300G 8QAM, 200G QPSK, 200G 8QAM, 200G 16QAM, and 100G QPSK, Full C-Band Tunable (191.2375 to 196.1000 THz on a 6.25 GHz Grid), LC Connector, QSFP56-DD/448G/OZRE/SM/LC, HW Rel 1.01	\$14,960.00
1061800936-01	400G QSFP56-DD DWDM Transceiver Based on OIF 400GZR Specifications with 400GbE Host Side Handoff, 400G 16QAM Transmission with Coherent Receiver, Full C-Band Tunable (191.2375 to 196.1000 THz on a 6.25 GHz Grid), LC Connector, QSFP56-DD/425G/ZR/SM/LC, HW Rel 1.01	\$11,990.00
1063008905-01	1-Slot Mini Patch Panel Module for LGX Shelf (SH1HU/LGX), 12x LC to 12x LC, Single Mode, FSM/SM/12LC-12LC/1LGX	\$ 660.00
1063008908-01	Passive Unmanaged 1HU LGX Shelf for 19 Inch Cabinets with 3x Horizontal Slots for LGX Passive Optical Filter/Breakout Modules, 125.5 mm Deep, I-Temp, SH1HU/LGX-19/PASSIVE, HW Rel 1.01	\$ 108.20
1063008908-02	Passive Unmanaged 1HU LGX Shelf for 19 Inch Cabinets with 3x Horizontal Slots for LGX Passive Optical Filter/Breakout Modules, 125.5 mm Deep, NEBS Compliant, I-Temp, SH1HU/LGX-19/PASSIVE, HW Rel 2.01	\$ 132.00
1063008909-01	Passive Unmanaged 1HU LGX Shelf for 21 Inch Cabinets with 3x Horizontal Slots for LGX Passive Optical Filter/Breakout Modules, 125.5 mm Deep, I-Temp, SH1HU/LGX-21/PASSIVE, HW Rel 1.01	\$ 108.20
1063008909-02	Passive Unmanaged 1HU LGX Shelf for 21 Inch Cabinets with 3x Horizontal Slots for LGX Passive Optical Filter/Breakout Modules, 125.5 mm Deep, NEBS Compliant, I-Temp, SH1HU/LGX-21/PASSIVE, HW Rel 2.01	\$ 154.00
1063008910-01	Passive Unmanaged 1HU LGX Shelf for 23 Inch Cabinets with 3x Horizontal Slots for LGX Passive Optical Filter/Breakout Modules, 125.5 mm Deep, I-Temp, SH1HU/LGX-23/PASSIVE, HW Rel 1.01	\$ 102.33
1063008910-02	Passive Unmanaged 1HU LGX Shelf for 23 Inch Cabinets with 3x Horizontal Slots for LGX Passive Optical Filter/Breakout Modules, 125.5 mm Deep, NEBS Compliant, I-Temp, SH1HU/LGX-23/PASSIVE, HW Rel 2.01	\$ 154.00

1063008956-01	Passive Unmanaged 3HU LGX Shelf for 19 Inch Cabinets with 15x Vertical Slots for LGX Passive Optical Filter/Breakout Modules, I-Temp, SH3HU/LGX-19/PASSIVE, HW Rel 1.01	\$ 484.00
1063008957-01	Single-Slot Slot Cover for Passive Unmanaged LGX Shelves, F7/SC-LGX, HW Rel 1.01	\$ 22.00
1063700021-01	100G Core Transponder, CFP Pluggable Network Transceiver and Client Transceiver (Not Included), F7/WCC-PCN-100G, HW Rel 1.01	\$ 6,817.94
1063700023-01	100G Core Transponder, CFP Pluggable Network Transceiver and QSFP28 Client Transceiver (Not Included), F7/WCC-PCN-100GB, HW Rel 1.02	\$ 5,326.17
1063700025-02	100G Core Transponder with AES256 Encryption Support, CFP Pluggable Network Transceiver and QSFP28 Client Transceiver (Not Included), F7/WCC-PCN-AES100GB, HW Rel 2.02	\$22,403.06
1063700027-01	100G Core Transponder with AES256 Encryption Support Compliant with FIPS Requirements and FIPS Seals, CFP Pluggable Network Transceiver and QSFP28 Client Transceiver (Not Included), F7/WCC-PCN-AES100GB-F, HW Rel 1.02	\$22,916.59
1063700028-01	100G Core Transponder with AES256 Encryption Support Compliant with BSI Security Profile (VS-NfD), CFP Pluggable Network Transceiver and QSFP28 Client Transceiver (Not Included), F7/WCC-PCN-AES100GB-G, HW Rel 1.01	\$39,217.46
1063700048-01	10-Port 10GigE/OC-192/STM-64/OTU2, 100G Core Muxponder, CFP Pluggable Network Transceiver and SFP+ w/ CDR Pluggable Client Transceivers (Not Included), F7/10TCC-PCN-40GU+100G, HW Rel 1.01	\$ 8,481.42
1063700071-02	10-Port 16G, 100G Enterprise Muxponder, CFP Pluggable Network Transceiver and SFP+ w/ CDR Pluggable Client Transceivers (Not Included), F7/10TCE-PCN-16GU+100G, HW Rel 2.02	\$ 8,226.08
1063700072-03	10-Port 16G, 100G Enterprise Muxponder with AES256 Encryption Support, CFP Pluggable Network Transceiver and SFP+ w/ CDR Pluggable Client Transceivers (Not Included), F7/10TCE-PCN-16GU+AES100G, HW Rel 3.01	\$31,862.37
1063700083-01	4-Client 100G Core Muxponder with AES256 Encryption Support and 32G FC Client Support, CFP Pluggable Network Transceiver and QSFP28 Client Transceiver (Not Included), F7/4TCC-PCN-32GU+AES100G, HW Rel 1.02	\$21,390.09
1063700084-01	4-Client 100G Core Muxponder with AES256 Encryption Support Compliant with BSI Security Profile (VS-NfD) and 32G FC Client Support, CFP Pluggable Network Transceiver and QSFP28 Client Transceiver (Not Included), F7/4TCC-PCN-32GU+AES100G-G, HW Rel 1.02	\$39,130.16
1063701002-01	4-Terminal 10G Core XPDR with 4x SFP+ Client Transceiver Ports and 4x SFP+ Network Transceiver Ports, Separate Client RTUs Not Required, F7/4WCC-PCN-10G, HW Rel 1.01	\$ 5,291.00

1063701044-01	16-Port 10G Core/Access OTN-Based ADM Module for GigE, SONET, OTN, and CPRI client interfaces, with 16x SFP Client Transceiver Ports and 2x SFP+ Network Transceiver Ports, F7/16TCC-PCN-4GUS+10G, HW Rel 1.01	\$ 6,882.11
1063702201-02	2-Port 2.7G Core Module with Client-Side OTN Mapping, Dual Terminal XPDR or 2-Port MuxPDR, SFP Client and Network Transceiver Ports, SyncE Timing Compliant, F7/2TWCC-PCN-2G7UB, HW Rel 2.01	\$ 2,309.04
1063703210-01	5-Terminal Access XPDR with 5x SFP+ Client Transceiver Ports and 5x SFP+ Network Transceiver Ports, Separate Client RTUs Not Required, F7/5WCA-PCN-16GU, HW Rel 1.01	\$ 2,969.76
1063703211-01	6-Terminal Access XPDR with 6x SFP/SFP+/SFP28 Client Transceiver Ports and 6x SFP/SFP+/SFP28 Network Transceiver Ports, Separate Client RTUs Not Required, F7/6WCA-PCN-28GU, HW Rel 1.01	\$ 3,520.00
1063707675-01	9-Client 10G Enterprise Transponder/Muxponder for Data Center Services, with 1x SFP+ Pluggable Port, 7x SFP/SFP+ Pluggable Ports, 2x SFP Pluggable Ports, and AES256 Encryption Support, Separate Client RTUs Not Required, F7/9TCE-PCN-10GU+AES10G, HW Rel 1.01	\$14,193.38
1063707680-01	9-Client 10G Enterprise Transponder/Muxponder for Data Center Services, with 1x SFP+ Pluggable Port, 7x SFP/SFP+ Pluggable Ports, and 2x SFP Pluggable Ports, Separate Client RTUs Not Required, F7/9TCE-PCN-10GU+10G, HW Rel 1.01	\$ 2,732.26
1063707680-02	9-Client 10G Enterprise Transponder/Muxponder for Data Center Services, with 1x SFP+ Pluggable Port, 7x SFP/SFP+ Pluggable Ports, and 2x SFP Pluggable Ports, Separate Client RTUs Not Required, F7/9TCE-PCN-10GU+10G, HW Rel 2.01	\$ 2,732.26
1063708327-02	ROADM Module, 4-Degree, WSS-Based, Up to 96 C-Band Wavelengths, Flexgrid Channel Spacing and 25 GHz Granularity, with WSS, 1x4 Power Splitter, and Integrated OPM, F7/4ROADM-C96/0/OPM, HW Rel 2.01	\$10,848.08
1063708328-02	ROADM Module, 9-Degree, WSS-Based, Up to 96 C-Band Wavelengths with Flexgrid Channel Spacing and 12.5 GHz Granularity, with Route & Select Twin WSS and Integrated OPM, F7/9ROADM-RS, HW Rel 2.01	\$20,051.45
1063708391-01	MicroAmplifier Module for General ROADM/OADM Applications, with Variable-Gain High-Gain EDFA Pre Amplifier with MSA, Variable-Gain EDFA Post Amplifier, and OSC Termination, Up to 128x C-Band Wavelengths, F7/MAPB-OSC-C, HW Rel 1.01	\$13,898.40
1063708391-02	MicroAmplifier Module for General ROADM/OADM Applications, with Variable-Gain High-Gain EDFA Pre Amplifier with MSA, Variable-Gain EDFA Post Amplifier, and OSC Termination, Up to 128x C-Band Wavelengths, F7/MAPB-OSC-C, HW Rel 2.01	\$14,454.34
1063708392-01	MicroAmplifier Module for General ROADM/OADM and Line Amplifier Applications, with Variable-Gain High-Gain EDFA Pre Amplifier with MSA and OSC Termination, Up to 128x C-Band Wavelengths, F7/MAP-OSC-C, HW Rel 1.01	\$ 8,399.50

1063708392-02	MicroAmplifier Module for General ROADM/OADM and Line Amplifier Applications, with Variable-Gain High-Gain EDFA Pre Amplifier with MSA and OSC Termination, Up to 128x C-Band Wavelengths, F7/MAP-OSC-C, HW Rel 2.01	\$ 8,735.49
1063708392-03	MicroAmplifier Module for General ROADM/OADM and Line Amplifier Applications, with Variable-Gain High-Gain EDFA Pre Amplifier with MSA and OSC Termination, Up to 128x C-Band Wavelengths, F7/MAP-OSC-C, HW Rel 3.01	\$ 8,735.49
1063708413-01	FSP 3000R7 Network Element Control Unit II-P with High-Availability Functionality, 5HU high for full-height standard slots, F7/NCU-II-P, HW Rel 1.01	\$ 1,496.76
1063708415-02	FSP 3000R7 Network Element Control Unit with Ultra Performance Processor, 2.5 HU high, 3x RJ45 Ethernet Ports, 1x RJ45 Serial Interface, and 1x USB 3.0 Type C Port, F7/NCU-3, HW Rel 2.01	\$ 1,265.00
1063708415-02	FSP 3000R7 Network Element Control Unit with Ultra Performance Processor, 2.5 HU high, 3x RJ45 Ethernet Ports, 1x RJ45 Serial Interface, and 1x USB 3.0 Type C Port, F7/NCU-3, HW Rel 2.01	\$ 1,265.00
1063708415-02	FSP 3000R7 Network Element Control Unit with Ultra Performance Processor, 2.5 HU high, 3x RJ45 Ethernet Ports, 1x RJ45 Serial Interface, and 1x USB 3.0 Type C Port, F7/NCU-3, HW Rel 2.01	\$ 1,265.00
1063708415-02	FSP 3000R7 Network Element Control Unit with Ultra Performance Processor, 2.5 HU high, 3x RJ45 Ethernet Ports, 1x RJ45 Serial Interface, and 1x USB 3.0 Type C Port, F7/NCU-3, HW Rel 2.01	\$ 1,265.00
1063708416-03	Common Equipment Module for 9HU FSP 3000R7 Shelf, F7/CEM/9HU, HW Rel 3.01	\$ 858.41
1063708423-01	FSP 3000R7 Shelf Control Unit II with High-Availability Functionality, 2.5 HU high for small slots, F7/SCU-II, HW Rel 1.01	\$ 866.20
1063708423-01	FSP 3000R7 Shelf Control Unit II with High-Availability Functionality, 2.5 HU high for small slots, F7/SCU-II, HW Rel 1.01	\$ 866.20
1063708423-02	FSP 3000R7 Shelf Control Unit II with High-Availability Functionality, 2.5 HU high for small slots, F7/SCU-II, HW Rel 2.01	\$ 762.49
1063708423-02	FSP 3000R7 Shelf Control Unit II with High-Availability Functionality, 2.5 HU high for small slots, F7/SCU-II, HW Rel 2.01	\$ 762.49
1063708423-02	FSP 3000R7 Shelf Control Unit II with High-Availability Functionality, 2.5 HU high for small slots, F7/SCU-II, HW Rel 2.01	\$ 762.49
1063708423-02	FSP 3000R7 Shelf Control Unit II with High-Availability Functionality, 2.5 HU high for small slots, F7/SCU-II, HW Rel 2.01	\$ 762.49
1063708429-01	FSP 3000R7 Slimline NCU/SCU, Combined Network Element Control Unit (NCU) and Shelf Control Unit (SCU), 2.5 HU High for SH1HU Variants Only, with 2x RJ45 Ethernet Ports and 1x Serial Port, F7/NCU-S, HW Rel 1.01	\$ 1,221.83
1063708449-09	Optical Path Protection Module for Dual Fiber Links, F7/OPPM, HW Rel 9.01	\$ 2,303.65

1063708471-01	FSP 3000R7 High Density Shelf Connection Module with 2 Pluggable Ports for FE SFPs, F7/HDSCM-PN, HW Rel 1.01	\$ 825.36
1063708471-01	FSP 3000R7 High Density Shelf Connection Module with 2 Pluggable Ports for FE SFPs, F7/HDSCM-PN, HW Rel 1.01	\$ 825.36
1063708471-01	FSP 3000R7 High Density Shelf Connection Module with 2 Pluggable Ports for FE SFPs, F7/HDSCM-PN, HW Rel 1.01	\$ 825.36
1063708731-01	8-Port Channel Splitter, for Channels 19590 to 19520, Channel Group 1 (1530.33 nm/#D02, 1531.12 nm/#D03, 1531.90 nm/#D04, 1532.68 nm/#DC1, 1533.47 nm/#D05, 1534.25 nm/#D06, 1535.04 nm/#D07, 1535.82 nm/#D08), F7/8CSM-#19590-#19520, HW Rel 1.01	\$ 1,791.82
1063708732-01	8-Port Channel Splitter, for Channels 19510 to 19440, Channel Group 2 (1536.61 nm/#DC2, 1537.40 nm/#D09, 1538.19 nm/#D10, 1538.98 nm/#D11, 1539.77 nm/#D12, 1540.56 nm/#DC3, 1541.35 nm/#D13, 1542.14 nm/#D14), F7/8CSM-#19510-#19440, HW Rel 1.01	\$ 1,986.38
1063708733-01	8-Port Channel Splitter, for Channels 19430 to 19360, Channel Group 3 (1542.94 nm/#D15, 1543.73 nm/#D16, 1544.53 nm/#DC4, 1545.32 nm/#DC9, 1546.12 nm/#DC5, 1546.92 nm/#D17, 1547.72 nm/#D18, 1548.52 nm/#D19), F7/8CSM-#19430-#19360, HW Rel 1.01	\$ 1,762.53
1063708734-01	8-Port Channel Splitter, for Channels 19350 to 19280, Channel Group 4 (1549.32 nm/#D20, 1550.12 nm/#DC6, 1550.92 nm/#D21, 1551.72 nm/#D22, 1552.52 nm/#D23, 1553.33 nm/#D24, 1554.13 nm/#DC7, 1554.94 nm/#D25), F7/8CSM-#19350-#19280, HW Rel 1.01	\$ 1,945.68
1063708735-01	8-Port Channel Splitter, for Channels 19270 to 19200, Channel Group 5 (1555.75 nm/#D26, 1556.56 nm/#D27, 1557.36 nm/#D28, 1558.17 nm/#DC8, 1558.98 nm/#D29, 1559.79 nm/#D30, 1560.61 nm/#D31, 1561.42 nm/#D32), F7/8CSM-#19270-#19200, HW Rel 1.01	\$ 1,698.21
1063708851-01	Passive 40-Channel AWG Mux/Demux, 100 GHz, C-Band, Separate 2HU Shelf, with Dual Monitoring Points and Integrated ALM Demarcation Reflector, F7/40CSM/P-2HU#19590-#19200-DR, HW Rel 1.01	\$ 3,393.81
1063708865-01	Passive 8-Port Channel Splitter, for Channels 19270 to 19200, Channel Group 5 (1555.75 nm/#D26, 1556.56 nm/#D27, 1557.36 nm/#D28, 1558.17 nm/#DC8, 1558.98 nm/#D29, 1559.79 nm/#D30, 1560.61 nm/#D31, 1561.42 nm/#D32), F7/8CSM/P-#19270-#19200, HW Rel 1.01	\$ 1,556.82
1063708881-01	Passive 8-Port Channel Splitter with Upgrade Port, for Channels 19590 to 19520, Channel Group 1 (1530.33 nm/#D02, 1531.12 nm/#D03, 1531.90 nm/#D04, 1532.68 nm/#DC1, 1533.47 nm/#D05, 1534.25 nm/#D06, 1535.04 nm/#D07, 1535.82 nm/#D08), F7/8CSM/P+#19590-#19520, HW Rel 1.01	\$ 1,794.62
1063708899-01	ALM WDM Coupler Module for FSP 3000R7 Shelves with 8x 1650 nm WDM Coupler Port Sets, LC/APC Upgrade/Monitor Port Connectors to ALM Monitor or Extender Unit, LC/PC Connectors to Client Ports, and LC/PC Connectors to Network Ports, F7/8/1CSM+#1650, HW Rel 1.02	\$ 2,060.36

1063709050-03	Optical Amplifier for Booster application, Single Stage, 20dBm maximum output power, gain controlled (C-Band) with Dual Monitoring Ports, F7/EDFA-C-S20-GCB-DM, HW Rel 3.01	\$ 2,668.80
1063709050-04	Optical Amplifier for Booster application, Single Stage, 20dBm maximum output power, gain controlled (C-Band) with Dual Monitoring Ports, F7/EDFA-C-S20-GCB-DM, HW Rel 4.01	\$ 2,775.55
1063709051-03	Optical Amplifier, Double Stage, 20 dBm maximum output power, variable gain, gain controlled (C-Band) with Dual Monitoring Ports, F7/EDFA-C-D20-VGC-DM, HW Rel 3.01	\$ 4,570.96
1063709052-03	Optical Amplifier, Double Stage, 20 dBm maximum output power, variable gain for low-gain applications, gain controlled (C-Band), Dual Monitoring Ports, F7/EDFA-C-D20-VLGC-DM, HW Rel 3.01	\$ 4,721.50
1063709058-01	Optical Amplifier, High-Power Booster for 40 or 80-wavelength long-reach applications, 26 dBm maximum output power, gain controlled (C-Band), Dual Monitoring Ports, with Integrated 1528.77 nm OSC Filters, F7/EDFA-C-S26-VGCB-DM, HW Rel 1.02	\$13,574.19
1063709059-01	Optical Amplifier, High-Power Booster for 40 or 80-wavelength long-reach applications, 26 dBm maximum output power, gain controlled (C-Band), Dual Monitoring Ports, with Integrated 1510 nm OSC Filters, F7/EDFA-C-S26-VGC-DM, HW Rel 1.01	\$14,176.66
1063709060-03	Raman amplifier with variable pump power and up to 10 dB gain on G.652 fiber (C-Band), F7/RAMAN-C10, HW Rel 3.02	\$ 8,923.29
1063709070-01	Optical Amplifier, with High-Gain Variable-Gain EDFA Booster/Line/Post Amplifier with 20 dBm Maximum Output Power, Gain-Controlled Raman Input Amplifier, and 1528.77 nm OSC Filter, Fiber Map Detect, 96 Channels C-Band, F7/AMP-S20H-C15, HW Rel 1.01	\$21,019.58
1063709071-01	Optical Amplifier, with Low-Gain Variable-Gain EDFA Booster/Line/Post Amplifier with 20 dBm Maximum Output Power, Gain-Controlled Raman Input Amplifier, and 1528.77 nm OSC Filter, Fiber Map Detect, 96 Channels C-Band, F7/AMP-S20L-C15, HW Rel 1.01	\$20,966.70
1063709072-01	Optical Amplifier, with High-Gain Variable-Gain EDFA Booster/Line/Post Amplifier with 20 dBm Maximum Output Power, 1528.77 nm OSC Filter, Fiber Map Detect, 96 Channels C-Band, F7/EDFA-S20H, HW Rel 1.01	\$ 6,790.89
1063800022-03	Common Equipment Module for FSP 3000 C 12RU Shelf (SH12), F8/CEM-2, HW Rel 3.01	\$ 1,306.73
1063801012-02	Element Controller Module for FSP 3000 C SH12, SH4R, SH4R-2, SH4R-3, and SH3 Shelves, F8/ECM-2, HW Rel 2.01	\$ 2,167.14
1063801012-02	Element Controller Module for FSP 3000 C SH12, SH4R, SH4R-2, SH4R-3, and SH3 Shelves, F8/ECM-2, HW Rel 2.01	\$ 2,167.14
1063801022-03	Shelf Controller Module for FSP 3000 C SH12, SH4R, SH4R-2, SH4R-3, and SH3 Shelves, F8/SCM-2, HW Rel 3.01	\$ 1,597.68
1063801022-03	Shelf Controller Module for FSP 3000 C SH12, SH4R, SH4R-2, SH4R-3, and SH3 Shelves, F8/SCM-2, HW Rel 3.01	\$ 1,597.68

1063801056-02	Common Equipment Module for FSP 3000 C 3RU Front Access Shelf (SH3) and 4RU Rear Access Shelf (SH4R-3 Only), F8/CEM-7, HW Rel 2.03	\$ 676.25
1063801066-03	Element Controller Module for the FSP 3000 C 1RU Rear Access Shelf (SH1R) and 1RU Front Access Shelf (SH1), I-Temp, F8/ECM-6, HW Rel 3.01	\$ 1,815.00
1063801073-01	Shelf Controller Module for FSP 3000 C 1RU Rear Access Shelf (SH1R) and 1RU Front Access Shelf (SH1), F8/SCM-6, HW Rel 1.01	\$ 1,635.54
1063801090-01	Power Supply Module Slot Cover for FSP 3000 C 1RU Front Access Shelf (SH1), SC-PSM10	\$ 93.50
1063801091-01	Traffic Module Slot Cover for FSP 3000 C SH12, SH4R-2, SH4R-3, SH4R, SH3, SH2, SH2R, SH1R, SH1, and SH1P Shelves, F8/SC-TM, HW Rel 1.01	\$ 30.69
1063801091-01	Traffic Module Slot Cover for FSP 3000 C SH12, SH4R-2, SH4R-3, SH4R, SH3, SH2, SH2R, SH1R, SH1, and SH1P Shelves, F8/SC-TM, HW Rel 1.01	\$ 30.69
1063801092-01	ECM/SCM Slot Cover for FSP 3000 C SH3, SH4R, SH4R-2, SH4R-3, and SH12 Shelves, F8/SC-XCM, HW Rel 1.01	\$ 30.77
1063801093-01	Power Supply Module Slot Cover for FSP 3000 C SH4R, SH4R-2, SH4R-3, and SH12 Shelves, F8/SC-PSM, HW Rel 1.01	\$ 13.38
1063801103-01	NEBS Air Baffle Accessory Kit for NEBS-Compliant Air Flow with FSP 3000 C 1RU Front Access Shelf (SH1) Mounted in a 23" Rack, F8/SA-NEBS-SH1	\$ 220.00
1063802161-01	OpenFabric 400 400G ADM, with 2x 100G QSFP28 Pluggable Network Ports, 2x QSFP28/QSFP10/QSFP14 Pluggable Client Ports, and 3x QSFP10/QSFP14-Only Pluggable Client Ports, F8/MA-2C5LT, HW Rel 1.02	\$10,445.96
1063802162-02	OpenFabric+ 100G/200G Muxponder, with 1x 100G/200G CFP2-DCO Pluggable Network Port, 2x QSFP28/QSFP10/QSFP14 Pluggable Client Ports, and 3x QSFP10/QSFP14-Only Pluggable Client Ports, F8/MA-B5LT, HW Rel 2.02	\$13,918.09
1063802171-01	CryptoMux OTN Multiplexer with AES256 Encryption Support, with 2x 100G QSFP28 Pluggable Network Ports, 2x QSFP28/QSFP10/QSFP14 Pluggable Client Ports, and 3x QSFP10/QSFP14-Only Pluggable Client Ports, F8/MA-2C2C3LT-A, HW Rel 1.02	\$43,855.21
1063802172-02	CryptoMux+ OTN Multiplexer with AES256 Encryption Support, with 1x 100G/200G CFP2-DCO Pluggable Network Port, 2x QSFP28/QSFP10/QSFP14 Pluggable Client Ports, and 3x QSFP10/QSFP14-Only Pluggable Client Ports, F8/MA-B2C3LT-A, HW Rel 2.02	\$48,988.95



1063802173-01	OpenFabric 1200 Muxponder/ADM, with 2x 100G-400G CFP2-DCO Pluggable Network Ports, 2x QSFP56-DD/QSFP28/QSFP10 Pluggable Client Ports, 6x QSFP28/QSFP10 Pluggable Client Ports, and 8x SFP28/SFP10 Pluggable Client Ports, F8/OF-2D16DCT, HW Rel 1.01	\$24,951.56
1063804101-02	Optical Amplifier for FSP 3000 C, Single-Stage, with High-Gain C-Band Variable-Gain EDFA and 23 dBm Maximum Output Power, IN-APR Power Control, Integrated 1510 nm OSC Tx/Rx in Post/Line Amp Position, Integrated ALM/OTDR Filter, and OTDR XFP Port, Extended C-Band, F8/AM-S23H, HW Rel 2.01	\$10,929.45
1063804101-03	Optical Amplifier for FSP 3000 C, Single-Stage, with High-Gain C-Band Variable-Gain EDFA and 23 dBm Maximum Output Power, IN-APR Power Control, Integrated 1510 nm OSC Tx/Rx in Post/Line Amp Position, Integrated ALM/OTDR Filter, and OTDR XFP Port, Extended C-Band, F8/AM-S23H, HW Rel 3.01	\$10,929.45
1063804122-01	Optical Amplifier for FSP 3000 C, Single-Stage, with High-Gain C-Band Variable-Gain EDFA in Pre Amp Position and 20 dBm Maximum Output Power, Integrated 1510 nm OSC Tx/Rx, and Integrated ALM Filter, Extended C-Band, F8/AM-S20H-2, HW Rel 1.01	\$ 9,057.95
1063804321-02	Optical Amplifier for FSP 3000 C, Single-Stage, with Low-Gain C-Band Variable-Gain EDFA and 23 dBm Maximum Output Power, IN-APR Power Control, Integrated 1510 nm OSC Tx/Rx in Post/Line Amp Position, Integrated ALM/OTDR Filter, and OTDR XFP Port, Extended C-Band, F8/AM-S23L, HW Rel 2.01	\$10,847.20
1063804321-03	Optical Amplifier for FSP 3000 C, Single-Stage, with Low-Gain C-Band Variable-Gain EDFA and 23 dBm Maximum Output Power, IN-APR Power Control, Integrated 1510 nm OSC Tx/Rx in Post/Line Amp Position, Integrated ALM/OTDR Filter, and OTDR XFP Port, Extended C-Band, F8/AM-S23L, HW Rel 3.01	\$10,847.20
1063804323-02	Optical Amplifier for FSP 3000 C, with Single-Stage C-Band Variable-Gain EDFA Pre and Post Amplifiers with 23 dBm Maximum Output Power, Integrated OCM and OTDR, IN-APR Power Control, and Integrated 1510 nm OSC Tx/Rx Facing in Both Signal Flow Directions, Extended C-Band, F8/AM-2S23-M, HW Rel 2.01	\$34,100.00
1063804323-03	Optical Amplifier for FSP 3000 C, with Single-Stage C-Band Variable-Gain EDFA Pre and Post Amplifiers with 23 dBm Maximum Output Power, Integrated OCM and OTDR, IN-APR Power Control, and Integrated 1510 nm OSC Tx/Rx Facing in Both Signal Flow Directions, Extended C-Band, F8/AM-2S23-M, HW Rel 3.01	\$34,100.00

1063804351-01	Optical Amplifier for FSP 3000 C, Single-Stage, with Switchable Low-Gain C-Band Variable-Gain EDFA with 23 dBm Maximum Output Power, Gain-Controlled Raman Input Amplifier, IN-APR Power Control, Integrated 1528.77 nm OSC Tx/Rx in Post/Line Amp Position, Integrated ALM/OTDR Filter, and OTDR XFP Port, Extended C-Band, F8/AM-S23LR15, HW Rel 1.01	\$27,812.61
1063804352-01	Optical Amplifier for FSP 3000 C, with Single-Stage Low-Gain C-Band Variable-Gain EDFA Pre and Post Amplifiers with 20 dBm Maximum Output Power Per Amplifier, Integrated ALM/OTDR Filters, and Integrated 1510 nm OSC Tx/Rx in Pre/Post Position, Extended C-Band, F8/AM-2S20L, HW Rel 1.01	\$12,650.00
1063804353-01	Optical Amplifier for FSP 3000 C, Single-Stage, with Low-Gain C-Band Variable-Gain EDFA and 20 dBm Maximum Output Power, Integrated 1510 nm OSC Tx/Rx in Post/Line Amp Position, Integrated ALM/OTDR Filter, and OTDR XFP Port, Extended C-Band, F8/AM-S20L, HW Rel 1.01	\$ 6,380.00
1063804354-01	Optical Amplifier for FSP 3000 C, Single-Stage, with Low-Gain L-Band Variable-Gain EDFA and 22 dBm Maximum Output Power, IN-APR Power Control, Integrated 1615 nm OSC Tx/Rx in Post/Line Amp Position, Integrated ALM/OTDR Filter, and OTDR XFP Port, Extended L-Band, F8/AM-S22L-L, HW Rel 1.01	\$12,815.00
1063804355-01	Optical Amplifier for FSP 3000 C, Single-Stage, with Low-Gain C-Band Variable-Gain EDFA in Pre Amp Position and 20 dBm Maximum Output Power, Integrated 1510 nm OSC Tx/Rx, Integrated ALM/OTDR Filter, and OTDR XFP Port, Extended C-Band, F8/AM-S20L-2, HW Rel 1.01	\$ 6,380.00
1063804356-01	Optical Amplifier for FSP 3000 C, Single-Stage, with High-Gain L-Band Variable-Gain EDFA and 22 dBm Maximum Output Power, IN-APR Power Control, Integrated 1615 nm OSC Tx/Rx in Post/Line Amp Position, Integrated ALM/OTDR Filter, and OTDR XFP Port, Extended L-Band, F8/AM-S22H-L, HW Rel 1.01	\$12,980.00
1063804357-01	Optical Amplifier for FSP 3000 C, with Gain-Controlled C-Band/L-Band Raman Input Amplifier, Integrated 1615 nm OSC Tx/Rx, Integrated ALM/OTDR Filter, and OTDR XFP Port, Extended C-Band and Extended L-Band, F8/AM-R15-CL, HW Rel 1.01	\$15,950.00
1063804361-01	6-Port XFP Pluggable Amplifier Carrier Module for FSP 3000 C, with 6x XFP Ports for XFP-Format EDFA Amplifiers, F8/CM-6XFP, HW Rel 1.01	\$ 1,650.00
1063805102-01	3-Channel Optical Path Protection Module for FSP 3000 C, C-Band, with SFP Cage for Pilot Signal, F8/OS-OPPM-3P, HW Rel 1.01	\$ 7,858.66
1063805133-01	64-Channel Mux/Demux for FSP 3000 C, 75 GHz, Extended C-Band, Separate 2HU Shelf with 1510 nm Intra-Node APR Loop and LC Duplex Connectors, F8/FD-64W, HW Rel 1.02	\$10,432.46
1063805145-01	C-Band/L-Band Splitter/Combiner for FSP 3000 C, LC Duplex Connectors, with Power Monitoring Diodes, F8/FD-2CL, HW Rel 1.01	\$ 2,530.00

1078700060-03	FSP 3000R7 1HU Slimline Shelf, Rear-Access with Pluggable Fan Unit Support and 200W Pluggable PSU Slots, F7/SH1HU-R/PF, HW Rel 3.01	\$ 1,485.00
1078700061-01	NEBS Upgrade Kit for SH1HU-R/PF FSP 3000R7 Shelf in 23-Inch Rack Installations, F7/NEBS-KIT/1HU	\$ 160.09
1078700063-01	FSP 3000R7 1HU Slimline Shelf with Extended Temperature Range, Front-Access with Pluggable Fan Unit Support and Included Fan Control Unit (FCU), F7/SH1HU-F/E+TEMP/PF, HW Rel 1.01	\$ 751.39
1078708781-01	48-Channel AWG Mux/Demux, with Individual Port LEDs, 100 GHz, C-Band, Separate 1HU Shelf, F7/48CSM/1HU-#19600-#19130, HW Rel 1.02	\$ 4,484.61
1078708789-01	40-Channel AWG Mux/Demux with Frequency-Based Channel Naming and Right-Angled Optical Connectors, 100 GHz, C-Band, Separate 2HU Shelf, F7/40CSM/2HU-#19590-#19200, HW Rel 1.02	\$ 2,451.53
1078708797-01	40-Channel AWG Mux/Demux with Frequency-Based Channel Naming and Left-Angled Optical Connectors, 100 GHz, C-Band, Separate 2HU Shelf, F7/40CSM-FL/2HU-#19590-#19200, HW Rel 1.02	\$ 2,451.53
1078800021-02	FSP 3000 C 12RU Shelf, Front Access, 295 mm Deep, 20 Slots, with Front Cover, Front Cover Extension Kit, 19" Rack Adapter Brackets, 23" Rack Adapter Brackets, ETSI Rack Adapter Brackets, Grounding Cables, and Air Filters, F8/SH12, HW Rel 2.02	\$ 7,927.87
1078800053-01	FSP 3000 C 4RU Shelf, Rear Access, 550 mm Deep, 7 Slots, with Off-Shelf Power Connectors, CEM-7 Support, Front Covers, Front Cover Extension Kit, 19" EIA Rack Adapter Brackets, Grounding Cables, and Air Filters, F8/SH4R-3, HW Rel 1.01	\$ 2,657.42
1078800060-01	FSP 3000 C 1RU Shelf, Front Access, 215 mm Deep, 2 Slots, with Rack Adapter Brackets, Grounding Cable, and Air Filters, F8/SH1, HW Rel 1.01	\$ 1,096.70
1078901070-01	FSP150-XG108 1RU Half-Width Layer 2 Demarcation Device with 4x 10GbE/1GbE SFP+/SFP Ports, 4x 1GbE/100M SFP Ports, and 1x Integrated AC PSU, F150/ADV/XG108/AC, HW Rel 1.02	\$ 2,128.50
1078904450-02	FSP 150-XG116Pro Chassis with 1x Integrated AC/DC PSU and Fan Assembly, Chassis HW Rel 2.03, I-Temp, F150/ADV/XG116PRO/AC/DC	\$ 3,775.20
1078904480-01	FSP 150-XG120Pro (SH), Base Chassis with Sync and PTP, DC Variant, with Pluggable Power Supply and Fan Tray Module Slots, Air Filter Cage, and Air Filters, I-Temp, F150/ADV/XG120PRO/SH/DC, HW Rel 1.04	\$ 4,743.20
1078904480-02	FSP 150-XG120Pro (SH), Base Chassis with Sync and PTP, DC Variant, with Pluggable Power Supply and Fan Tray Module Slots, Air Filter Cage, and Air Filters, I-Temp, F150/ADV/XG120PRO/SH/DC, HW Rel 2.01	\$ 4,743.20
1078904481-03	FSP 150-XG120Pro (SH), Base Chassis with Sync and PTP, AC Variant, with Pluggable Power Supply and Fan Tray Module Slots, Air Filter Cage, Air Filters, and Mounting Modifications, I-Temp, F150/ADV/XG120PRO/SH/AC, HW Rel 3.01	\$ 4,515.50
1091008135-12	Ensemble Controller, Server License Upgrade for MTOSI Northbound Interface, Upgrade to ENC Release 12.x from a Previous Release, ENC/MTOSI/U R12.X	\$48,840.00

1091009405-12	Ensemble Fiber Director, Connection License Upgrade for 1x ALM Monitor Unit, Upgrade to ENC Release 12.x from a Previous Release, ENC/EFD/CL/UR12.X	\$ 63.49
1091703121-01	SW/FW for FSP 3000R7 Release 22.1.1 Preinstalled, F7/SW 22.1.1/PREINST	\$ -
1091703121-02	SW/FW for FSP 3000R7 Release 22.1.2 Preinstalled, F7/SW 22.1.2/PREINST	\$ -
1091703121-03	SW/FW for FSP 3000R7 Release 22.1.3 Preinstalled, F7/SW 22.1.3/PREINST	\$ -
1091703122-02	SW/FW for FSP 3000R7 Release 22.2.2 Preinstalled, F7/SW 22.2.2/PREINST	\$ -
1091703125-02	SW/FW for FSP 3000R7 Release 22.5.2 Preinstalled, F7/SW 22.5.2/PREINST	\$ -
1091703125-03	SW/FW for FSP 3000R7 Release 22.5.3 Preinstalled, F7/SW 22.5.3/PREINST	\$ -
1091703126-01	SW/FW for FSP 3000R7 Release 22.6.1 Preinstalled, F7/SW 22.6.1/PREINST	\$ -
1091703131-01	SW/FW for FSP 3000R7 Release 23.1.1 Preinstalled, F7/SW 23.1.1/PREINST	\$ -
1091703131-02	SW/FW for FSP 3000R7 Release 23.1.2 Preinstalled, F7/SW 23.1.2/PREINST	\$ -
1091707065-01	SW for ALM Release 6.5.1 preinstalled, ALM Monitor and System Controller, ALM/SW 6.5.1/PREINST	\$ -
1091707065-01	SW for ALM Release 6.5.1 preinstalled, ALM Monitor and System Controller, ALM/SW 6.5.1/PREINST	\$ -
1091707065-01	SW for ALM Release 6.5.1 preinstalled, ALM Monitor and System Controller, ALM/SW 6.5.1/PREINST	\$ -
1091707065-01	SW for ALM Release 6.5.1 preinstalled, ALM Monitor and System Controller, ALM/SW 6.5.1/PREINST	\$ -
1091800051-01	Software/Firmware for FSP 3000 C Release 5.1.1 Preinstalled, F8/SW 5.1.1/PREINST	\$ -
1091800051-02	Software/Firmware for FSP 3000 C Release 5.1.2 Preinstalled, F8/SW 5.1.2/PREINST	\$ -
1091800051-03	Software/Firmware for FSP 3000 C Release 5.1.3 Preinstalled, F8/SW 5.1.3/PREINST	\$ -
1091800052-01	Software/Firmware for FSP 3000 C Release 5.2.1 Preinstalled, F8/SW 5.2.1/PREINST	\$ -
1091800055-01	Software/Firmware for FSP 3000 C Release 5.5.1 Preinstalled, F8/SW 5.5.1/PREINST	\$ -
1091800055-02	Software/Firmware for FSP 3000 C Release 5.5.2 Preinstalled, F8/SW 5.5.2/PREINST	\$ -
1091800061-01	Software/Firmware for FSP 3000 C Release 6.1.1 Preinstalled, F8/SW 6.1.1/PREINST	\$ -

1091800061-02	Software/Firmware for FSP 3000 C Release 6.1.2 Preinstalled, F8/SW 6.1.2/PREINST	\$ -
1091800065-01	Software/Firmware for FSP 3000 C Release 6.5.1 Preinstalled, F8/SW 6.5.1/PREINST	\$ -
1091802108-01	Software RTU for use of ADM Functionality on the FSP 3000 C OpenFabric/CryptoMux Module Series (MA-2C5LT, MA-B5LT, MA-2C2C3LT-A, MA-B2C3LT-A, and OF-2D16DCT), F8/RTU/OPENFABRIC-XC	\$ 2,086.85
1091901005-01	FSP 150-XG108, XG108 (H), and XG108 (SH), Software Base Key, F150/XG10X/SW/BASE/KEY	\$ 264.00
1091901110-01	FSP 150-XO106, XG108, XG108 (H), and XG108 (SH), Preinstalled SW, Release 14.3.1, XG108/SW 14.3.1/PREINST	\$ -
1091904445-01	FSP 150-XG116Pro, XG118Pro, and XG120Pro, Software Base Key, F150/XGPRO/SW/BASE/KEY	\$ 506.00
1091904445-01	FSP 150-XG116Pro, XG118Pro, and XG120Pro, Software Base Key, F150/XGPRO/SW/BASE/KEY	\$ 506.00
1091904482-01	FSP 150-XG116Pro, XG116Pro (H), and XG120Pro, Preinstalled SW, Release 14.3.1, XG100/SW 14.3.1/PREINST	\$ -
1091904485-01	FSP 150-XG118Pro (SH) and XG120Pro (SH), Preinstalled SW, Release 14.3.1, XG100 SH/SW 14.3.1/PREINST	\$ -
BC00000317	QuadFlex Kit with QuadFlex C-Band 400G OTN Multiplexer (MP-2B4CT, HW Rel 2.03) and 4x Client RTUs (RTU/MP-2B4CT/CLIENT PORT), F8/MP-2B4CT&4P	\$56,288.97
BC00000318	QuadFlex Kit with QuadFlex C-Band 400G OTN Multiplexer (MP-2B4CT, HW Rel 2.03) and 1x Client RTU (RTU/MP-2B4CT/CLIENT PORT), F8/MP-2B4CT&1P	\$36,185.66
BC00000371	QuadFlex Kit with QuadFlex C-Band 400G OTN Multiplexer (MP-2B4CT, HW Rel 2.03) and 2x Client RTUs (RTU/MP-2B4CT/CLIENT PORT), F8/MP-2B4CT&2P	\$43,672.39
BC00000638	5-Terminal Access XPDR Bundle with 5x SFP+ Client Transceiver Ports, 5x SFP+ Network Transceiver Ports, and 1x High-Speed Client Port RTU, F7/5WCA-PCN-16GU&1P-H	\$ 1,943.88
BC00000639	5-Terminal Access XPDR Bundle with 5x SFP+ Client Transceiver Ports, 5x SFP+ Network Transceiver Ports, and 1x Low-Speed Client Port RTU, F7/5WCA-PCN-16GU&1P-L	\$ 1,943.88
BC00000643	9-Client 10G Enterprise Transponder/Muxponder Bundle for Data Center Services, with 1x SFP+ Pluggable Port, 7x SFP/SFP+ Pluggable Ports, 2x SFP Pluggable Ports, AES256 Encryption Support Compliant with FIPS Requirements, FIPS Seals, and 1x Low-Speed Client Port RTU, F7/9TCE-PCN-10GU+AES10G-F&1P-L	\$19,866.90

BC00000647-02	9-Client 10G Enterprise Transponder/Muxponder Bundle for Data Center Services, with 1x SFP+ Pluggable Port, 7x SFP/SFP+ Pluggable Ports, 2x SFP Pluggable Ports, and 1x Low-Speed Client Port RTU, F7/9TCE-PCN-10GU+10G&1P-L, HW Rel 2.01	\$ 1,786.22
BC00000747	C-Band TeraFlex Bundle including TeraFlex C-Band 1200G Multiplexer (T-MP-2D12CT) with 2x Integrated C-Band Tunable Network Ports, 12x QSFP28 Client Ports, and 12x Client Port RTUs (RTU/T-MP-2D12CT/CLIENT PORT), F8/T-MP-2D12CT&12P	\$85,269.43
BC00001014	C-Band TeraFlex Bundle including TeraFlex C-Band 800G Multiplexer (T-MP-2D8CT) with 2x Integrated C-Band Tunable Network Ports, 8x QSFP28 Client Ports, and 8x Client Port RTUs (RTU/T-MP-2D12CT/CLIENT PORT), F8/T-MP-2D8CT&8P	\$74,179.79
BC00001124	C-Band TeraFlex Bundle including TeraFlex C-Band 800G FlexClient Dual-Network Multiplexer (T-MP-2D8DCT) with 2x Integrated C-Band Tunable Network Ports, 2x QSFP56-DD/QSFP28 Client Ports, 6x QSFP28-Only Client Ports, and 8x 100G-Equivalent Client Port RTUs (RTU/T-100G/CAPACITY), F8/T-MP-2D8DCT&8P, HW Rel 1.01	\$74,074.42
BC00001242	6-Terminal Access XPDR Bundle with 6x SFP/SFP+/SFP28 Client Transceiver Ports, 6x SFP/SFP+/SFP28 Network Transceiver Ports, and 1x High-Speed Client Port RTU, F7/6WCA-PCN-28GU &1P-H	\$ 2,589.73
BC00001243	6-Terminal Access XPDR Bundle with 6x SFP/SFP+/SFP28 Client Transceiver Ports, 6x SFP/SFP+/SFP28 Network Transceiver Ports, and 1x Low-Speed Client Port RTU, F7/6WCA-PCN-28GU &1P-L	\$ 2,437.62