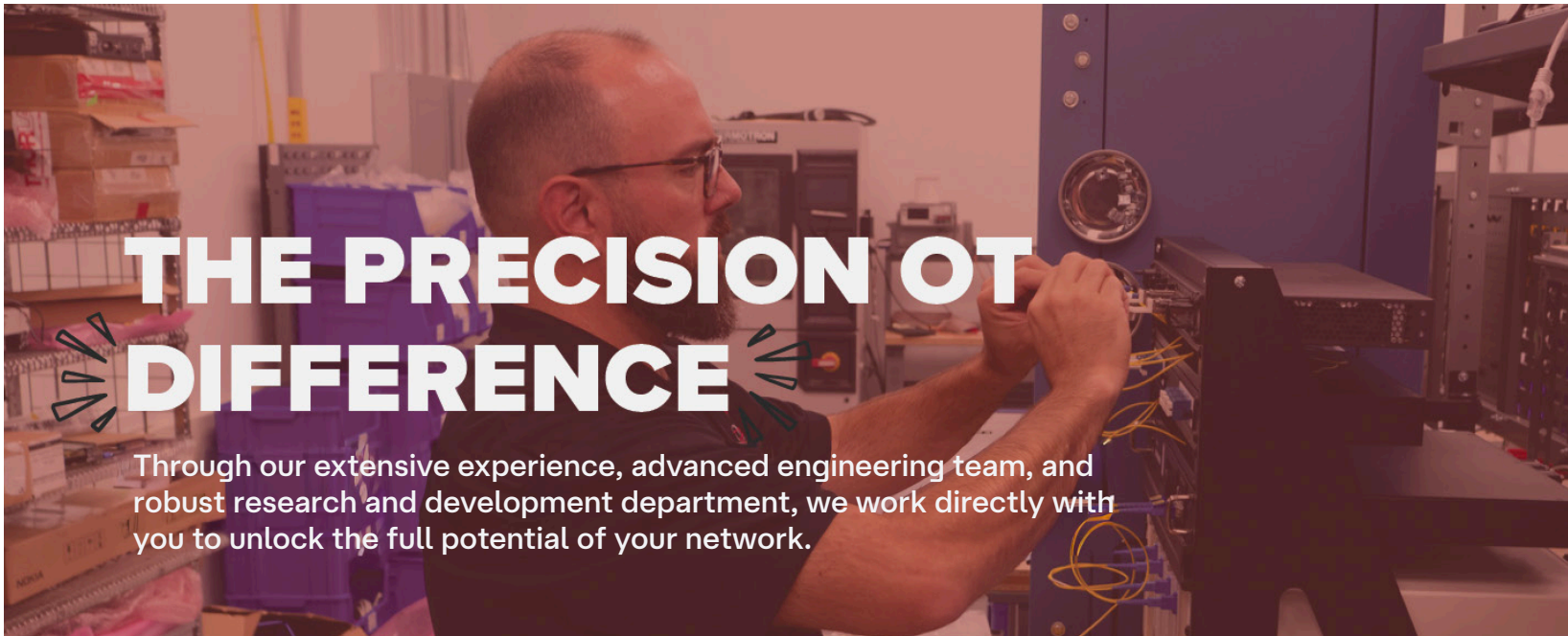




Optical Transceivers & Active/Passive
Optical Networking Equipment

TABLE OF CONTENTS

Precision Optical Technologies Overview _____	3	xPON Optical Transceivers _____	22
800G Transceivers _____	4	PON Transceivers _____	22
QSFP-DD800 (800G) _____	4	Digital Return & Remote PHY _____	22
OSFP800 (800G) _____	4	Tunables _____	23
400G Transceivers _____	5	TN100 Series _____	24
QSFP-DD (400G) _____	5	OpenPath™ PON / FTTX _____	25
OSFP400 (400G) _____	6	Mux/Demux Modules _____	26
QSFP112 (400G) _____	6	DWDM ISP _____	26
200G Transceivers _____	7	DWDM OSP _____	26
QSFP56 (200G) _____	7	CWDM ISP _____	26
QSFP-DD (200G) _____	7	CWDM OSP _____	26
100G Transceivers _____	8	CWDM+DWDM _____	26
QSFP28 (100G) _____	8-10	DWDM OADM _____	27
SFP-DD (100G) _____	10	Standalone Filters _____	27
40G Transceivers _____	11	Polarization-Insensitive Optical Circulator _____	27
QSFP+ (40G) _____	11	PON Coexistence Passive Filters _____	27
25G Transceivers _____	12	PLANAR Lightwave Circuit Splitters _____	27
SFP28 (25G) _____	12-13	MPO/MTP Breakout Panels _____	28
10G Transceivers _____	14	Fiber Jumpers _____	28
SFP+ (10G) _____	14-16	Rackmount and Wall Mount Hardware _____	29
XFP (10G) _____	17-18	Rackmount _____	29
1G Transceivers _____	19	Wall Mount _____	29
SFP (1G) _____	19-21	Fiber Management _____	29
		Contact Us _____	30



THE PRECISION OF DIFFERENCE

Through our extensive experience, advanced engineering team, and robust research and development department, we work directly with you to unlock the full potential of your network.



Complete Solutions Engineering & System Integration

Our engineers take a hands-on approach to replicating networks, maintaining reliability and providing the highest level of service.



Advanced Engineering/R&D Capabilities

In addition to our optical networking equipment, Precision OT's R&D efforts focus on integrated silicon photonics, signal processing, and software-defined networking.



Trusted Tier-1 Customer Support

We've built our organization under one singular ethos: our customers come first.



Extensive Inventory

Say goodbye to long lead times! Precision OT hosts a multi-million dollar inventory throughout its facilities and distribution channels globally.



Distributor Alliance Program

The products you need, when you need them. Our global distribution program offers an extensive network of certified distributors who offer our full range of products.



Lifetime Warranty

As part of our commitment to quality and to our customers, all standard optical transceivers are backed with an advanced exchange lifetime warranty.

800G Transceivers

QSFP-DD800 (800G)



800G Grey MMF Optics

Part Number	Description	Product Page
PRE-QD800-2VR4	QSFP-DD800, 2x400G-VR4, 850nm, 800G, 50m, MMF/Dual MPO12-APC, C-Temp, DDM	Click Here
PRE-QD800-VR8	QSFP-DD800, VR8, 850nm, 800G, 50m, MMF, MPO-16 APC, C-Temp, DDM	Click Here

800G Grey SMF Optics

Part Number	Description	Product Page
PRE-QD800-2DR4	QSFP-DD800, 2x400G-DR4, 1310nm, 800G, 500m, SMF/Dual MPO12-APC, C-Temp, DDM	Click Here
PRE-QD800-2FR4	QSFP-DD800, 2x400G-FR4, 1310nm, 800G, 2km, SMF, Dual Duplex LC-UPC, C-Temp, DDM	Click Here
PRE-QD800-2LR4	QSFP-DD800, 2x400G-LR4, 1310nm, 800G, 10km, SMF, Dual Duplex LC-UPC, C-Temp, DDM	Click Here

OSFP800 (800G)

800G Grey MMF Optics

Part Number	Description	Product Page
PRE-O800-IB-2VR4	OSFP800, 2x400G-VR4, 850nm, 800GE/InfiniBand, 50m, MMF/Dual MPO12-APC, C-Temp, DDM	Click Here
PRE-O800-IB-VR8	OSFP800, VR8, 850nm, 800GE/InfiniBand, 50m, MMF/MPO16-APC, C-Temp, DDM	Click Here

800G Grey SMF Optics

Part Number	Description	Product Page
PRE-O800-IB-2DR4	OSFP800, 2x400G-DR4, 1310nm, 800GE/ InfiniBand, 500m, SMF/Dual MPO12-APC, C-Temp, DDM	Click Here

400G Transceivers

QSFP-DD (400G)



400G Grey MMF Optics

Part Number	Description	Product Page
PRE-QSFP56DD-VR4	QSFP-DD, VR4, 850nm, 400G, 50m, MMF/MPO12-APC, C-Temp, DDM	Click Here
PRE-QSFP56DD-SR8	QSFP-DD, SR8, 850nm, 400G, 100m, MMF/MPO16, C-Temp, DDM	Click Here

400G Grey SMF Optics

Part Number	Description	Product Page
PRE-QSFP56DD-FR4	QSFP-DD, FR4, CWDM, 400G, 2km, SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP56DD-DR4	QSFP-DD, DR4, 1310nm, 400G, 500m, SMF/MPO12, C-Temp, DDM	Click Here
PRE-QSFP56DD-DR4+	QSFP-DD, DR4+, 1310nm, 400G, 2km, SMF/MPO12, C-Temp, DDM	Click Here
PRE-QSFP56DD-LR4	QSFP-DD, LR4, CWDM, 400G, 10km, SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP56DD-4LR1	QSFP-DD, 4LR1, 1310nm, 400G, 10km, SMF/MPO12, C-Temp, DDM	Click Here
PRE-QSFP56DD-ER4-30	QSFP-DD, ER4-30, nLWDM, 400G, 30km, SMF/LC, C-Temp, DDM	Click Here

400G BIDI Optics

Part Number	Description	Product Page
PRE-QSFP56DD-SR4.2	QSFP-DD, SR4.2 BIDI, 850/909nm, MMF/MPO, 100m (OM4), 400G, C-Temp, DDM	Click Here

400G DWDM Optics

Part Number	Description	Product Page
PRE-QSFP56DD-ZR	QSFP-DD, OIF 400ZR, -10dBm, Tunable, C-Band, 400G, 40km (unamplified), SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP56DD-ZRP	QSFP-DD, OpenZR+, -10dBm, Tunable, C-Band, 400G, 40km (unamplified), SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP56DD-ZRXT	QSFP-DD, 400G ZR, +4dBm, Fixed, ITU ch37, 400G, 120km (unamplified), SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP56DD-ZRPHT	QSFP-DD, OpenZR+, 0dBm, Tunable, C-Band, 400G, 80km (unamplified), SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP56DD-ZRX4T	QSFP-DD, 400G ZR+, -7 to +4dBm, Tunable, C-Band, 400G, 120km (unamplified), SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP56DD-ZRXCN	QSFP-DD, 400G ZR+, -7 to +4dBm, Tunable, C-Band, 400G, 120km (unamplified), SMF/LC, C-Temp, DDM	Click Here

400G Cables

Part Number	Description	Product Page
PRE-QSFP56DD-CUxyyyM	QSFP-DD, Passive, DAC, xx AWG, 400G, yy m, I-Temp	Click Here
PRE-QSFP56DD4QSFP56-CUxyyyM	QSFP-DD/QSFP56, Passive, DAC Breakout, xx AWG, 400G, yy m, I-Temp	Click Here
PRE-QSFP56DD-QSFP56DD-AOCxxM	QSFP-DD, AOC, 850nm, 400G, xx m, MMF, C-Temp, DDM	Click Here
PRE-QSFP56DD-4QSFP56-AOCxxM	QSFP-DD, AOC Breakout, 850nm, 4x100G, xx m, MMF, C-Temp, DDM	Click Here



400G Transceivers

OSFP400 (400G)

400G Grey MMF Optics

Part Number	Description	Product Page
PRE-OR400-4-IB-VR4	OSFP-RHS, VR4, 850nm, 400GE/InfiniBand, 50m, MMF, MPO12, C-Temp, DDM	Click Here

400G Grey SMF Optics

Part Number	Description	Product Page
PRE-O400-DR4	OSFP, DR4+, 1310nm, 400G, 500m, SMF/MPO12-APC, C-Temp, DDM	Click Here
PRE-O400-DR4+	OSFP, DR4+, 1310nm, 400G, 2km, SMF/MPO12-APC, C-Temp	Click Here

QSFP112 (400G)

400G Grey MMF Optics

Part Number	Description	Product Page
PRE-QSFP112-VR4	QSFP112, VR4, 850nm, 400G, 50m, MMF, MPO-12/APC, C-Temp, DDM	Click Here

400G Grey SMF Optics

Part Number	Description	Product Page
PRE-QSFP112-DR4	QSFP112, DR4, 1310nm, 400G, 500m, SMF/MPO12, C-Temp, DDM	Click Here
PRE-QSFP112-DR4+	QSFP112, DR4+, 1310nm, 400G, 2km, SMF/MPO12, C-Temp, DDM	Click Here



200G Transceivers

QSFP56 (200G)

200G Grey MMF Optics

Part Number	Description	Product Page
PRE-QSFP56-SR4	QSFP56, SR4, 850nm, 200G, 100m, MMF/MPO-12, C-Temp, DDM	Click Here

200G Cables

Part Number	Description	Product Page
PRE-Q200-IB-AOCxx	QSFP-DD, 2xLR4, LWDM, 2x100G, 10km, SMF/DualCS, C-Temp, DDM	Click Here
PRE-Q200-2Q100-2-IB-AOCxxM	QSFP56 Breakout AOC, 850nm, 200GbE/IB-to-2x100GbE/IB, 1-40m, MMF, C-Temp	Coming Soon

QSFP-DD (200G)

200G Grey SMF Optics

Part Number	Description	Product Page
PRE-QSFP28DD-2LR4	QSFP-DD, 2xLR4, LWDM, 2x100G, 10km, SMF/DualCS, C-Temp, DDM	Click Here



100G Transceivers

QSFP28 (100G)

100G Grey MMF Optics

Part Number	Description	Product Page
PRE-QSFP28-SR4(E)	QSFP28, SR4, 850nm, 100G, 100m, MMF/MPO12, C-Temp, DDM	Click Here
PRE-QSFP28M-SR4	QSFP28, SR4, 850nm, 112G, 100m, MMF/MPO12, OTU4, C-Temp, DDM	Click Here
PRE-QSFP28-SWDM4	QSFP28, SWDM4, 850nm, 100G, 150m, MMF/LC, C-Temp, DDM	Click Here

100G Grey SMF Optics

Part Number	Description	Product Page
PRE-QSFP28-CWDM4	QSFP28, CWDM4, CWDM, 100G, 2km, SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP28-CLR4	QSFP28, CLR4, CWDM, 100G, 2km (no FEC), SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP28-PLR4L	QSFP28, PLR4, 1310nm, 100G, 2km, SMF/MPO12, C-Temp, DDM	Click Here
PRE-QSFP28-LR4(I)	QSFP28, LR4, LWDM, 100G, 10km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-QSFP28M-LR4	QSFP28, LR4, LWDM, 112G, 10km, SMF/LC, OTU4, C-Temp, DDM	Click Here
PRE-QSFP28-LR4X(I)	QSFP28, LR4, LWDM, 100G, 20km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-QSFP28-ER4L(I)	QSFP28, ER4L, LWDM, 100G, 25/40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-QSFP28M-ER4L	QSFP28, ER4L, LWDM, 112G, 25/40km, SMF/LC, OTU4, C-Temp, DDM	Click Here
PRE-QSFP28-ER4(I)	QSFP28, ER4, LWDM, 100G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-QSFP28-ER4HR	QSFP28, ER4, LWDM, 100G, 40km, High Rx, SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP28-ZR4(I)	QSFP28, ZR4, LWDM, 100G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-QSFP28M-ZR4	QSFP28, ZR4, LWDM, 100G, 80km, High Rx, SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP28-ZR4HR	QSFP28, ZR4, LWDM, 100GE/OTU4, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-QSFP28-EZR4	QSFP28, EZR4, LWDM, 100G, 100km, SMF/LC, C-Temp, DDM	Click Here

100G Grey SMF Single-Wave

Part Number	Description	Product Page
PRE-QSFP28-DR	QSFP28, DR, 1310nm, 100G, 500m, SMF/LC, PAM4, C-Temp, DDM	Click Here
PRE-QSFP28-FR	QSFP28, FR, 1310nm, 100G, 2km, SMF/LC, PAM4, C-Temp, DDM	Click Here
PRE-QSFP28-LR1	QSFP28, LR1, 1310nm, 100G, 10km, SMF/LC, PAM4, C-Temp, DDM	Click Here



100G Transceivers

QSFP28 (100G) cont.

100G BIDI

Part Number	Description	Product Page
PRE-QSFP28-SRB2	QSFP28, SRBD, BIDI, 850/900nm, 100G, 100m, MMF/LC, C-Temp, DDM	Click Here
PRE-QSFP28-CWBD	QSFP28, CWDM4, BIDI, CWDM, 100G, 2km, SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP28-BL(H)-LR1	QSFP28, PAM4, BIDI, 100G, 10km, 1271/1331nm, C-Temp, DDM	Click Here
PRE-QSFP28-BL(H)-ELR1	QSFP28, PAM4, BIDI, 100G, 20km, 1291/1311nm, C-Temp, DDM	Click Here
PRE-QSFP28-BL(H)-ER1	QSFP28, PAM4, BIDI, 100G, 40km, 1304/1309nm, C-Temp, DDM	Click Here
PRE-QSFP28-20L(H)-4WBD	QSFP28, 4WDM BIDI, 100G, 20km, E-Temp, DDM	Click Here
PRE-QSFP28-40L(H)-4WBD	QSFP28, 4WDM, BIDI, 100G, 40km, E-Temp, DDM	Click Here
PRE-QSFP28-70L(H)-4WBD	QSFP28, 4WDM, BIDI, 100G, 70km, C-Temp, DDM	Click Here

100G Fixed CWDM

Part Number	Description	Product Page
PRE-QSFP28-Cxx-LR1	QSFP28, PAM4, CWDM, 100G, 10km, SMF/LC	Click Here

100G Fixed DWDM

Part Number	Description	Product Page
PRE-QSFP28-Dxx-ZR1	QSFP28, PAM4 ZR, DWDM 100GHz, DWDM C-Band, 100G, 80km, SMF/LC, C-Temp, DDM	Click Here

100G Tunable DWDM

Part Number	Description	Product Page
TQSFP28-ZR(I)	QSFP28, ZR, -8dBm, Tunable, C-Band, 100G, 80km, SMF/LC, C-Temp (I-Temp), DDM, SFF-8636	Click Here
TQSFP28-ZRHT	QSFP28, ZR, 0dBm, Tunable, C-Band, 100G, 120km, SMF/LC, C-Temp, DDM, SFF-8636	Click Here
TQSFP28-ZRHT-TF	QSFP28, ZR, 0dBm, Tunable, C-Band, 100G, 120km, SMF/LC, C-Temp, DDM, SFF-8636, w/ TOF	Click Here
PRE-QSFP28M-ZR(I)	QSFP28, ZR, -8dBm, Tunable, C-Band, 100GE/OTU4, 80km, SMF/LC, C-Temp (I-Temp), DDM, CMIS	Click Here
PRE-QSFP28M-ZRHT	QSFP28, ZR, 0dBm, Tunable, C-Band, 100GE/OTU4, 120km, SMF/LC, C-Temp, CMIS	Click Here

100G Transceivers

QSFP28 (100G) cont.



100G Cables

Part Number	Description	Product Page
PRE-QSFP28-CUxyyyM	QSFP28, Passive, DAC, xx AWG, 100G, yy m, I-Temp	Click Here
PRE-QSFP281SFP28-CUxyyyM	QSFP28/SFP28, Passive DAC, Single Lane 25G, xx AWG, yy m, E-Temp	Click Here
PRE-QSFP28-QSFP28-AOCxxM	QSFP28, AOC, 850nm, 100G, xx m, C-Temp, DDM	Click Here
PRE-QSFP28-4SFP25G-AOCxxM	QSFP28/SFP28, AOC, Breakout, 850nm, 100G, xx m, C-Temp, DDM	Click Here

100G Adapters

Part Number	Description	Product Page
PRE-CVR-QSFP28-SFP28-A	100G QSFP28 to Single Lane SFP28 25G Pass-through Converter	Click Here

SFP-DD (100G)

100G Grey SMF Optics

Part Number	Description	Product Page
PRE-SFP56DD-DR	SFP-DD, DR, 1310nm, 100G, 500m, SMF/LC, C-Temp, DDM	Click Here
PRE-SFP56DD-FR	SFP-DD, FR, 1310nm, 100G, 2km, SMF/LC, C-Temp, DDM	Click Here
PRE-SFP56DD-LR1	SFP-DD, LR1, 1310nm, 100G, 10km, SMF/LC, C-Temp, DDM	Click Here
PRE-SFP56DD-ER1	SFP-DD, ER1, 1310nm, 100G, 40km, SMF/LC, C-Temp, DDM	Click Here



40G Transceivers

QSFP+ (40G)

40G Grey MMF Optics

Part Number	Description	Product Page
PRE-QSFP-SR4	QSFP+, SR4, 850nm, 40G, 300m, MMF/MPO12, C-Temp, DDM	Click Here

40G Grey SMF Optics

Part Number	Description	Product Page
PRE-QSFP-PLR4	QSFP+, PLR4, 4xLR4, 1310nm, 40G, 10km, SMF/MPO12, C-Temp, DDM	Click Here
PRE-QSFP-LR4	QSFP+, LR4, CWDM, 40G, 10km, SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP-ER4	QSFP+, ER4, CWDM, 40G, 40km, SMF/LC, C-Temp, DDM	Click Here
PRE-QSFP-ZR4	QSFP, ZR4, LWDM, 40G, 80km, SMF/LC, C-Temp, DDM	Click Here

40G SWDM4

Part Number	Description	Product Page
PRE-QSFP-SWDM4	QSFP, SWDM4, 850nm, 40G, 350m, MMF/LC	Click Here

40G Fixed DWDM

Part Number	Description	Product Page
PRE-QSFP-Dxx-ZR1	QSFP+, ZR1, DWDM, 100GHz, 40G, 80km, SMF/LC, PAM4, C-Temp, DDM	Click Here

40G Cables

Part Number	Description	Product Page
PRE-QSFP-CUxyyM	QSFP+, Passive, DAC, xx AWG, 100G, yy m, I-Temp	Click Here
PRE-QSFP4SFP10G-CUxyyM	QSFP+, Passive, DAC, Breakout, xx AWG, 40G, yy m, I-Temp	Click Here
PRE-QSFP-QSFP-AOCxxM	QSFP+, AOC, 850nm, 40G, xx m, C-Temp, DDM	Click Here
PRE-QSFP-4SFP10G-CUXXYM	QSFP+/SFP10G, AOC, Breakout, 850nm, 40G, xx m, C-Temp, DDM	Click Here

40G Adapter

Part Number	Description	Product Page
PRE-CVR-QSFP-SFP10G	40G QSFP to Single Lane SFP+ 10G Converter	Click Here



25G Transceivers

SFP28 (25G)

25G Grey MMF Optics

Part Number	Description	Product Page
PRE-SFP25G-SR(I)	SFP28, SR, 850nm, 25G, 100m, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP25GD-SR	SFP28, SR, 850nm, 10/25G, 70/100m, SMF/LC, C-Temp, DDM	Click Here
PRE-SFP25G-ESR	SFP28, SR, 850nm, 25G, 200/300m, MMF/LC, C-Temp, DDM	Click Here

25G Grey SMF Optics

Part Number	Description	Product Page
PRE-SFP25G-LRL(I)	SFP28, LRL, 1310nm, 25G, 300m, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP25G-LR(I)	SFP28, LR, 1310nm, 25G, 10km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP25GD-LR	SFP28, LR, 1310nm, 10/25G, 10km, SMF/LC, C-Temp, DDM	Click Here
PRE-SFP25G-ER(I)	SFP28, ER, 1310nm, 25G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here

25G BIDI

Part Number	Description	Product Page
PRE-SFP25G-B23-10(I)	SFP28, LR, BIDI, 1270/1330nm, 25G, 10km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP25G-B32-10(I)	SFP28, LR, BIDI, 1330/1270nm, 25G, 10km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP25G-B23-20(I)	SFP28, LR, BIDI, 1270/1330nm, 25G, 20km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP25G-B32-20(I)	SFP28, LR, BIDI, 1330/1270nm, 25G, 20km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP25G-B23-30(I)	SFP28, ELR, BIDI, 1270/1310nm, 25G, 30km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP25G-B32-30(I)	SFP28, ELR, BIDI, 1310/1270nm, 25G, 30km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP25G-B23-40(I)	SFP28, ER, BIDI, 1270/1310nm, 25G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP25G-B32-40(I)	SFP28, ER, BIDI, 1310/1270nm, 25G, 40km, SMF/LC, C-Temp (I-Temp), DDM	

25G Fixed DWDM

Part Number	Description	Product Page
PRE-SFP25G-Dxx-10(I)	SFP28, LR, DWDM, 100GHz, 25G, 10km, SMF/LC, I-Temp, DDM	Click Here
PRE-SFP25G-Dxx-30(I)	SFP28, DWDM, 100GHz, 25G, 30km, SMF/LC, I-Temp, DDM	Click Here

25G Transceivers

SFP28 (25G) cont.



25G Tuneable DWDM

Part Number	Description	Product Page
PRE-TSFP25G-15(I)	SFP28, LR, TUNABLE, DWDM, C-Band, 25G, 15km, SMF/LC, I-Temp, DDM	Click Here

25G Cables

Part Number	Description	Product Page
PRE-SFP25GAOCxxM	SFP28, SR, AOC, 850nm, 25G, xx m, C-Temp, DDM	Click Here
PRE-SFP25G-CUyyxxM	SFP28, Passive, DAC, yy AWG, 25G, xx m, I-Temp	Click Here



10G Transceivers

SFP+ (10G)

10G Grey MMF Optics

Part Number	Description	Product Page
PRE-SFP10G-SR(I)	SFP+, SR, 850nm, 10G, 300m, MMF/LC, C-Temp(I-Temp), DDM	Click Here

10G Grey SMF Optics

Part Number	Description	Product Page
PRE-SFP10G-10(I)	SFP+, LR, 1310nm, 10G, 10km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10G-LRM	SFP+, LRM, 1310nm, 10G, 220m-MMF, 2km-SMF, LC, DDM, C-Temp	Click Here
PRE-SFP10G-40(I)	SFP+, ER, 1550nm, 10G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10G-1310-40(I)	SFP+, ER, 1310nm, 10G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10G-80(I)	SFP+, ZR, 1550nm, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10GM-100(I)	SFP+, EZR, 1550nm, 10G, 100km, SMF/LC, OTU3, C-Temp (I-Temp), DDM	Click Here

10G BIDI

Part Number	Description	Product Page
PRE-SFP10G-B23-10(I)	SFP+, LR, BIDI, 1270/1330nm, 10G, 10km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10G-B32-10(I)	SFP+, LR, BIDI, 1330/1270nm, 10G, 10km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP10G-B23-20(I)	SFP+, LR, BIDI, 1270/1330nm, 10G, 20km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10G-B32-20(I)	SFP+, LR, BIDI, 1330/1270nm, 10G, 20km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP10G-B23-40(I)	SFP+, ER, BIDI, 1270/1330nm, 10G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10G-B32-40(I)	SFP+, ER, BIDI, 1330/1270nm, 10G, 40km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP10G-B23-60(I)	SFP+, ER, BIDI, 1270/1330nm, 10G, 60km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10G-B32-60(I)	SFP+, ER, BIDI, 1330/1270nm, 10G, 60km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP10G-B45-80(I)	SFP+, ZR, BIDI, 1490/1550nm, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10G-B54-80(I)	SFP+, ZR, BIDI, 1550/1490nm, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	

10G CSFP+ 10G Dual BIDI

Part Number	Description	Product Page
PRE-CSFP10G-B23-10(I)	CSFP, Dual BIDI, 1270nm/1330nm, 10G, 10km, SMF/LC	Click Here
PRE-CSFP10G-B32-10(I)	CSFP, Dual BIDI, 1330nm/1270nm, 10G, 10km, SMF/LC	



10G Transceivers

SFP+ (10G) cont.

10G Fixed CWDM

Part Number	Description	Product Page
PRE-SFP10G-Cxx-10	SFP+, LR, CWDM, 10G, 10km, SMF/LC, C-Temp, DDM	Click Here
PRE-SFP10G-Cxx-40(I)	SFP+, ER, CWDM, 10G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10G-Cxx-80(I)	SFP+, ZR, CWDM, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here

10G Fixed DWDM

Part Number	Description	Product Page
PRE-SFP10G-Dxx-40(I)	SFP+, ER, DWDM, 100GHz, 10G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10G-Dxx-80(I)	SFP+, ZR, DWDM, 100GHz, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP10G-Dxx-80H(U)	SFP+, ZR, DWDM, 100GHz, 10G, 80km, SMF/LC, H-Temp (U-Temp), DDM	Click Here

10G Tunable DWDM

Part Number	Description	Product Page
TSFPDR5-80I	SFP+, External Tunable, 50GHz, C-Band, 5G, 80km, SMF/LC, I-Temp, DDM	Click Here
TSFPDR21-100I	SFP+, External Tunable, 50GHz, C-Band, 2.1G, 100km, SMF/LC, I-Temp, DDM	Click Here
TSFP10G-80(I)	SFP+, ZR, Tunable, DWDM, C-Band, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
TSFP10G-90(I)	SFP+, ZR, Tunable, DWDM, C-Band, 10G, 90km, SMF/LC, C-Temp (I-Temp), DDM	Click Here

10G Transceivers

SFP+ (10G) cont.



10G Digital Return Dual RX

Part Number	Description	Product Page
PRE-SFP2RX10G-AI	SFP+, Dual Rx, Digital Return, APD, 10G, SMF/LC, I-Temp, DDM	Click Here
PRE-SFP2RX10G-PI	SFP+, Dual Rx, Digital Return, PIN, 10G, SMF/LC, I-Temp, DDM	Click Here

10G Copper

Part Number	Description	Product Page
PRE-SFP10G-T	SFP+, Copper, 10G, 50m, RJ45, C-Temp	Click Here
PRE-SFP10G-30-T(I)	SFP+, Copper, Multi-rate, 30m, RJ45, C-Temp	Click Here

10G Cables

Part Number	Description	Product Page
PRE-SFP10G-AOCxxM	SFP28, SR, AOC, 850nm, 25G, xx m, C-Temp, DDM	Click Here
PRE-SFP10G-CUxxyyM	SFP28, Passive, DAC, yy AWG, 25G, xx m, I-Temp	Click Here

10G Transceivers

XFP (10G)



10G Grey MMF Optics

Part Number	Description	Product Page
PRE-XFP-SR(I)	XFP, SR, 850nm, 10G, 300m, MMF/LC, C-Temp (I-Temp), DDM	Click Here

10G Grey SMF Optics

Part Number	Description	Product Page
PRE-XFPM-LR(I)	XFP, LR, 1310nm, 10G, 10km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-XFPM-ER(I)	XFP, ER, 1550nm, 10G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-XFPM-ZR(I)	XFP, ZR, 1550nm, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here

10G BIDI

Part Number	Description	Product Page
PRE-XFP-B23-10(I)	XFP, LR, BIDI, 1270/1330nm, 10G, 10km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-XFP-B32-10(I)	XFP, LR, BIDI, 1330/1270nm, 10G, 10km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-XFP-B23-20(I)	XFP, LR, BIDI, 1270/1330nm, 10G, 20km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-XFP-B32-20(I)	XFP, LR, BIDI, 1330/1270nm, 10G, 20km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-XFP-B23-40(I)	XFP, ER, BIDI, 1270/1330nm, 10G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-XFP-B32-40(I)	XFP, ER, BIDI, 1330/1270nm, 10G, 40km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-XFP-B23-60(I)	XFP, ER, BIDI, 1270/1330nm, 10G, 60km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-XFP-B32-60(I)	XFP, ER, BIDI, 1330/1270nm, 10G, 60km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-XFP-B45-80(I)	XFP, ZR, BIDI, 1490/1550nm, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-XFP-B54-80(I)	XFP, ZR, BIDI, 1550/1490nm, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	

10G Transceivers

XFP (10G) cont.



10G Fixed CWDM

Part Number	Description	Product Page
PRE-XFP-Cxx-40	XFP, ER, CWDM, 10G, 40km, SMF/LC, C-Temp, DDM	Click Here
PRE-XFP-Cxx-80(I)	XFP, ZR, CWDM, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here

10G Fixed DWDM

Part Number	Description	Product Page
PRE-XFP-Dxx-40	XFP, ER, DWDM, 100GHz, 10G, 40km, SMF/LC, C-Temp, DDM	Click Here
PRE-XFP-Dxx-80(I)	XFP, ZR, DWDM, 100GHz, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here

10G Tunable DWDM

Part Number	Description	Product Page
PRE-XFP-MFCTB-80(I)	XFP, Tunable C-Band, ZR, 10G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here



1G Transceivers

SFP (1G)

1G Grey MMF Optics

Part Number	Description	Product Page
PRE-SFP-SX(I)	SFP, SX, 850nm, 1G, 500m, MMF/LC, C-Temp (I-Temp), DDM	Click Here

1G Grey SMF Optics

Part Number	Description	Product Page
PRE-SFP-10(I)	SFP, LX, 1310nm, 1G, 10km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-40(I)	SFP, EX, 1310nm, 1G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-80(I)	SFP, ZX, 1550nm, 1G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-120(I)	SFP, EZX, 1550nm, 1G, 120km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-160(I)	SFP, EZX, 1550nm, 1G, 160km, SMF/LC, C-Temp (I-Temp), DDM	Click Here

1G BIDI

Part Number	Description	Product Page
PRE-SFP-B34-20(I)	SFP, LX, BIDI, 1310/1490nm, 1G, 20km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-B43-20(I)	SFP, LX, BIDI, 1490/1310nm, 1G, 20km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP-B35-20(I)	SFP, LX, BIDI, 1310/1550nm, 1G, 20km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-B53-20(I)	SFP, LX, BIDI, 1550/1310nm, 1G, 20km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP-B34-40(I)	SFP, EX, BIDI, 1310/1490nm, 1G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-B43-40(I)	SFP, EX, BIDI, 1490/1310nm, 1G, 40km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP-B35-40(I)	SFP, EX, BIDI, 1310/1550nm, 1G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-B53-40(I)	SFP, EX, BIDI, 1550/1310nm, 1G, 40km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP-B45-40(I)	SFP, EX, BIDI, 1490/1550nm, 1G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-B54-40(I)	SFP, EX, BIDI, 1550/1490nm, 1G, 40km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP-B34-60(I)	SFP, EX, BIDI, 1310/1490nm, 1G, 60km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-B43-60(I)	SFP, EX, BIDI, 1490/1310nm, 1G, 60km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP-B35-60(I)	SFP, EX, BIDI, 1310/1550nm, 1G, 60km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-B53-60(I)	SFP, EX, BIDI, 1550/1310nm, 1G, 60km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP-B45-80(I)	SFP, ZX, BIDI, 1490/1550nm, 1G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-B54-80(I)	SFP, ZX, BIDI, 1550/1490nm, 1G, 80km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-SFP-B45-120	SFP, EZX, BIDI, 1490/1550nm, 1G, 120km, SMF/LC, C-Temp, DDM	Click Here
PRE-SFP-B54-120	SFP, EZX, BIDI, 1550/1490nm, 1G, 120km, SMF/LC, C-Temp, DDM	
PRE-SFP-B45-160	SFP, EZX, BIDI, 1490/1550nm, 1G, 160km, SMF/LC, C-Temp, DDM	Click Here
PRE-SFP-B54-160	SFP, EZX, BIDI, 1550/1490nm, 1G, 160km, SMF/LC, C-Temp, DDM	



1G Transceivers

SFP (1G) cont.

1G CSFP2 Dual BIDI

Part Number	Description	Product Page
PRE-CSFP2-B34-10(I)	CSFP2, LX, Dual, BIDI, 1310/1490nm, 1G, 10km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-CSFP2-B43-10(I)	CSFP2, LX, Dual, BIDI, 1490/1310nm, 1G, 10km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-CSFP2-B34-20(I)	CSFP2, LX, Dual, BIDI, 1310/1490nm, 1G, 20km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-CSFP2-B43-20(I)	CSFP2, LX, Dual, BIDI, 1490/1310nm, 1G, 20km, SMF/LC, C-Temp (I-Temp), DDM	
PRE-CSFP2-B34-40(I)	CSFP2, EX, Dual, BIDI, 1310/1490nm, 1G, 40km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-CSFP2-B43-40(I)	CSFP2, EX, Dual, BIDI, 1490/1310nm, 1G, 40km, SMF/LC, C-Temp (I-Temp), DDM	

1G Fixed CWDM

Part Number	Description	Product Page
PRE-SFP-Cxx-80(I)	SFP, ZX, CWDM, 1G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-Cxx-120(I)	SFP, EZX, CWDM, 1G, 120km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-Cxx-160(I)	SFP, EZX, CWDM, 1G, 160km, SMF/LC, C-Temp (I-Temp), DDM	Click Here

1G Fixed DWDM

Part Number	Description	Product Page
PRE-SFP-Dxx-80(I)	SFP, ZX, DWDM, 100GHz, 1G, 80km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-Dxx-120(I)	SFP, EZX, DWDM, 100GHz, 1G, 120km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
PRE-SFP-Dxx-160(I)	SFP, EZX, DWDM, 100GHz, 1G, 160km, SMF/LC, C-Temp (I-Temp), DDM	Click Here

1G Tunable DWDM

Part Number	Description	Product Page
TSFP1G-100(I)	SFP, ZX, Tunable, DWDM C-band, 1G, 100km, SMF/LC, C-Temp (I-Temp), DDM	Click Here
TSFP-NBx-120	SFP, EZX, Tunable, DWDM Narrow Band (ITU 20 - 60), 1G, 120km, SMF/LC, C-Temp, DDM	Click Here



1G Transceivers

SFP (1G) cont.

1G Copper

Part Number	Description	Product Page
PRE-SFP-T(I)	SFP, Copper, 1G, 100m, RJ45, C-Temp (I-Temp)	Click Here
PRE-SFP-TM(I)	SFP, Copper, 10/100/1000M, 100m, RJ45, C-Temp (I-Temp)	Click Here
PRE-SFP-TME	SFP, Copper, 10/100/1000M, 100m, RJ45, I-Temp	Click Here

1G Digital Return

Part Number	Description	Product Page
PRE-SFP-DR5T-Dxx-80H	SFP, Digital Return, DWDM, 100GHz, 5G, 80km, SMF/LC, H-Temp, DDM	Click Here
PRE-SFPDR21-Dxx-120I	SFP, Digital Return, DWDM 100GHz, 2.125G, 120km, SMF/LC, I-Temp, DDM	Click Here
PRE-SFPDR21-Cxx-40I	SFP, Digital Return, CWDM, 2.125G, 40km, SMF/LC, I-Temp, DDM	Click Here
PRE-SFP-DR5R2-PIN	SFP, Digital Return, PIN Dual Rx, 5G, SMF/LC	Click Here



xPON Optical Transceivers

PON Transceivers

Part Number	Description	Product Page
PRE-XSN2SFP10GC-20I	Combo XGS and GPON, DFB GPON Laser Transmitter, EML XGSPON Laser Transmitter, APD Receiver, 1577/1270nm XGS Wavelengths, 1490/1310nm GPON Wavelengths, SC/UPC Connector, DDM/RSSI, I-Temp Rated	Click Here
SFP10G-EPONU-PR30I	Combo XGS and GPON, DFB GPON Laser Transmitter, EML XGSPON Laser Transmitter, APD Receiver, 1577/1270nm XGS Wavelengths, 1490/1310nm GPON Wavelengths, SC/UPC Connector, DDM/RSSI, I-Temp Rated	Click Here
SFP10G-XSONU-N1I	SFP+, XGSPON, ONU, N1, 1270/1577nm, 1/10G UNI, SMF/SC, I-Temp, DDM	Click Here
PRE-SFP10G-XGTB-E1(I)	SFP+, XGS-PON OLT, E1, SMF/SC	Click Here
PRE-SFP10G-XGTB-N1I	SFP+, XGS-PON OLT, N1, SMF/SC, I-Temp	Click Here
PRE-SFP10G-XGTB-N2I	SFP+, XGS-PON OLT, N2, SMF/SC	Click Here
PRE-SFP10G-XGTB-N2I+	SFP+, XGS-PON OLT, N2I+, SMF/SC, I-Temp	Click Here

Digital Return & Remote PHY

Part Number	Description	Product Page
PRE-SFP-DR5T-Dxx-80H	SFP, Digital Return, DWDM, 100GHz, xxxx.xnm, 5G, 80km, SMF/LC, 92°C, DDM	Click Here
PRE-SFPDR21-Cxx-40I*	SFP, Digital Return, CWDM, 2.125G, 40km, SMF/LC, I-Temp, DDM	Click Here
PRE-SFP-DR5R2-PIN	SFP, Digital Return, PIN Dual Rx, 5G, SMF/LC	Click Here
TSFPDR21-100I	SFP+, External Tunable, 50GHz, C-Band, 2.1G, 100km, SMF/LC, I-Temp, DDM	Click Here

*1270-1450nm available under different optical specifications

Tunables



Applications

Metro Networks

Data Center Interconnects

Telecom Networks

10G Tunables

Our 10G Tunable optical transceiver modules supports 10G Ethernet transmission over distances of up to 80 kilometers using tunable dense wavelength division multiplexing (DWDM) technology. This module operates in the C-Band spectrum, covering ITU channels 13.5 to 63, providing flexibility in wavelength selection for high-density and long-distance applications. It is designed for use with single-mode fiber (SMF) and LC duplex connectors, making it ideal for metro networks, data center interconnects, and telecom infrastructures that require dynamic wavelength allocation.

1G Tunables

Our 1G Tunable optical transceiver modules supports 1G Ethernet transmission over ultra-long distances of 100+ kilometers using tunable dense wavelength division multiplexing (DWDM) technology in the C-band. This module is designed for high-density, long-range data transmission in telecom infrastructures, metro networks, and data centers.

Part Number	Description	Product Page
TSFP1G-100(I)	SFP, ZX, Tunable, DWDM C-band, 1G, 100km, SMF/LC, External Tune w/APN, I-Temp, DDM	Click Here
TSFP-NBx-120	SFP, DWDM Tunable, Narrow Band (ITU 20 - 60), 1G, 120km, SMF/LC, C-Temp, DDM	Click Here
TSFP10G-80(I,H)	SFP+, DWDM Tunable, C-Band (ITU 13.5 - 63), 10G, 80km, SMF/LC, C/I/H-Temp, DDM	Click Here
TSFP10G-90(I)	SFP+, ZR, Tunable, DWDM, C-Band, 10G, 90km, SMF/LC, C/I-Temp, DDM	Click Here
TSFP25G-15(I)	SFP28, DWDM Tunable (ITU 21-60), SMF/LC, 15km, 25Gbps, C/I-Temp, DDM	Click Here
TSFP25G-40(I)	SFP28, Tunable DWDM C-Band, ITU 13-63 100Ghz Spacing, 10/25G, 40km, SMF/LC, C/I-Temp, DDM	Coming Soon



TN100-S-BT

- Bluetooth enabled tuning box works with mobile devices
- 1 port transceiver management module hosts SFP and SFP+
- Powered over single USB connection (power bank included)
- Compatible tuning software included
- Enable/disable transmit laser for SFP+ devices
- Diagnostic information for SFP+ devices
- Tuning flexibility to any of the standard ITU C-Band 50GHz or 100GHz spaced channels
- Eliminates sparing of hundreds of fixed channel DWDM transceivers with one tunable optic

TN100 Series

- Precision’s custom transceiver management modules enable rapid configuration and deployment from 1G to 100G, delivering network flexibility.
- The TN100 series reduces sparing, simplifies inventory and site surveys, and supports remote transceiver evaluation and EEPROM reconfiguration.
- TN100 runs on Precision’s web-based platform for seamless updates and maintenance—no physical media required. Precision manages all software and firmware, and upgrades are deployed through the application.
- TN100 users automatically receive the latest certified software worldwide—no manual updates needed.

TN100 Series Transceiver Management Modules*

Part Number	Description	Product Page
TN100-XS	Supports SFP, SFP+, and XFP; is compatible with Precision’s Transceiver Tuning, Remote Assistant, and Transceiver Tool applications	Click Here
TN100-S	Pocket sized. Supports SFP and SFP+; is compatible with Precision’s Transceiver Tuning, Remote Assistant, and Transceiver Tool applications	Click Here
TN100-S-BT	SFP+ Bluetooth Transceiver Management Module. Tuning software and travel kit included.	Click Here
TN100-QSDD	QSFP-DD and SFP-DD Transceiver Management Module. Tuning software included. USB and internet connection required.	Click Here

Remote Assistant Application*

- Precision’s Remote Assistant is a secure tool that enables remote support from a Precision Optical Transceiver Engineer.
- Requirements: registered TN100 tuning box, Java 7+, and an active internet connection.

*Applications available at apps.precisionot.com

Transceiver Tool Application

Transceiver Programming Module

- Features include smart-search compatibility programming, a programming history database, transceiver evaluation DDM tools, and more.

Introducing OpenPath™

PON / FTTX

What is OpenPath™?

OpenPath™ is the ultimate solution for network operators seeking a new standard of ease, flexibility, and efficiency in deploying and managing PON networks. But it's more than a product; it's a revolution. Say goodbye to closed and proprietary systems that lock you into a vendor-specific ecosystem. OpenPath™ empowers you to break barriers, speed time to market, and embrace a brighter future.

Comprehensive, Turnkey Solution

OpenPath™ is your all-inclusive, turnkey package, encompassing all critical PON components - Optical Line Terminals (OLTs), optics, splitters, Optical Network Units (ONUs), and cutting-edge controller software. It's everything you need, from one point of contact - right at your fingertips.

User-Friendly Interface

Deploying, managing, and monitoring your network has never been simpler. Our management software's intuitive interface empowers you to bring all the components of our turnkey system together effortlessly.

A More Open Ecosystem

We believe our customers should be in full control of their optical networking futures. To do this, we strive to end vendor-lock wherever possible. OpenPath™'s white box hardware model lets you integrate a diverse array of ONUs and OLTs, making upgrades and configuration changes simple.

A Foundation For Innovation

Supporting Combo PON (Both XGS-PON and GPON simultaneously), OpenPath™'s holistic approach lets you set the pace. Deploy your PONs on your terms with the technology and support you need.



Full OpenPath™ Solution

Mux/Demux Modules

Precision OT is proud to offer premium WDM modules for multiplexing and de-multiplexing of CWDM and DWDM wavelengths. Modules are available in various channel configurations.

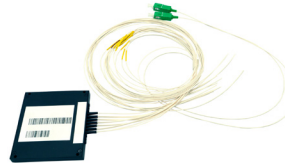
- Seamless integration with Precision OT’s CWDM and DWDM transceivers
- Guaranteed performance that meets industry standards



DWDM ISP

- Industry Standard Channel Plans
- Support for Monitor/Tap, Express, and Upgrade Ports
- Standard LGX and Custom Form Factors Available
- Low Insertion Loss
- Extended Temperature Range Design
- Customized Configurations Available

[DWDM ISP Selection Page](#)



DWDM OSP

- Industry Standard Channel Plans
- Support for Monitor/Tap, Express, and Upgrade Ports
- Multiple Cassette Sizes/Pigtail Lengths
- UPC/APC Connectors
- Low Insertion Loss
- Customized Configurations Available

[DWDM OSP Selection Page](#)

DWDM General Specifications

Channel Count	Typical Passband I.L. (dB)	Adjacent Channel Isolation(nm)	Non-Adjacent Channel Isolation(dB)	Uniformity (dB)	Operating Temp °C Commercial / Industrial
4	2.0	>30	>45	<1.5	0 to +70 / -40 to +85
8	2.5	>30	>45	<1.5	0 to +70 / -40 to +85
12	3.0	>30	>45	<1.5	0 to +70 / -40 to +85
20	3.2	>30	>45	<1.5	0 to +70 / -40 to +85
40 (Thin Film Filter)	3.5	>30	>45	<2.0	0 to +70 / -40 to +85
40 (Arrayed Waveguide Grating)	5.0	>25	>30	<2.0	-5 to +65 / -40 to +85
96 (Arrayed Waveguide Grating)	6.0	>25	>30	<2.0	-5 to +65 / - - - - -



CWDM ISP

- Support for Monitor/Tap, Express Ports
- Standard LGX and Custom Form Factors Available
- Low Insertion Loss
- Extended Temperature Range Design
- Customized Configurations Available

[CWDM ISP Selection Page](#)



CWDM OSP

- Support for Monitor/Tap, Express Ports
- Multiple Cassette Sizes/Pigtail Lengths
- UPC/APC Connectors
- Low Insertion Loss
- Customized Configurations Available

[CWDM OSP Selection Page](#)

CWDM General Specifications

Channel Count	Typical Passband I.L. (dB)	Adjacent Channel Isolation(nm)	Non-Adjacent Channel Isolation(dB)	Uniformity (dB)	Operating Temp °C Commercial / Industrial
5	2	>35	>45	<2.0	-10 to +70 / -40 to +85
8	2.5	>35	>45	<2.0	-10 to +70 / -40 to +85

Take Full Advantage of Your Multiplexing

Precision can provide Mux/Demux modules that combine CWDM filters with DWDM filters to provide you with the best of both worlds!



[CWDM+DWDM Page](#)

CWDM+DWDM

ISP Thin Film CWDM & DWDM Filters combined in the same module with following options:

- Upgrade/Express/1310 Wideband Ports
- Test Ports
- LGX and 1RU Rack Mount Form Factors
- UPC/APC Connectors
- Industrial Temperature Hardened

Mux/Demux Modules (cont.)

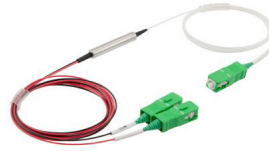


DWDM OADM

ISP DWDM Optical Add/Drop Module with the following options:

- Full Spectrum Pass Through (1260-1635nm)
- Test Ports
- UPC/APC Connectors
- Industrial Temperature Hardened

[DWDM OADM Page](#)



Standalone Filters

- Available in a variety of DWDM and CWDM wavelengths
- Can be ruggedized and connectorized for easier handling

ADD/DROP Modules

Whether you are adding one channel or dropping eight...we've got you covered from ADD to DROP, IN to OUT, and EAST to WEST.

Polarization-Insensitive Optical Circulator

Characteristics:

- High Isolation, Low Insertion Loss
- Low Polarization Dependent Loss
- Multiple Form Factor Options with High Stability & Reliability

Applications:

- DWDM Systems, Wavelength Add/Drop
- Bi-direction Communication Systems
- Dispersion Compensation, Optical Amplifier
- EDFA and OTDR utilization



[Polarization-Insensitive Optical Circulator Page](#)

PON Coexistence Passive Filters

Specialty:

- GPON, XGSPON, NGPON2 Ports
- Added OTDR, RFOG Return, Video Express Ports
- Single/Dual/Twin LGX Form Factors
- UPC/APC Connectors
- Industrial Temperature Hardened

Applications:

- WDM/PON Networks
- Line Monitoring
- GPON/EPON Networks



[Specialty Page](#)

PLANAR Lightwave Circuit Splitters

Planar Lightwave Circuit (PLC) Splitters with the following options:

- 1XN or 2XN, Bare Fiber, Mini-Type, ABS Module LGX Cassette
- 1RU Form Factor
- UPC/APC Connectors
- Variable Input/Output Lengths

Applications:

- PON Networks
- FTTX Systems
- CATV Links
- Optical Signal Distribution



[PLC Splitters Page](#)

MPO/MTP Breakout Panels

Characteristics:

- Multiple fiber counts available
- Polarity types to meet your specific needs
- Multiple breakouts per module
- Fit seamlessly into Precision OT rack and wall mount hardware

Overview:

- Breakout Panel
- MPO/MTO to LC/SC Connectors
- UPC or APC
- LGX Form Factor



[MPO/MTP Breakout Panels](#)

Fiber Jumpers



[VIEW THE CONFIGURATOR](#)

Key Features and Availability:

- Color coded Multi-mode fiber (MMF) and Single-mode fiber (SMF) patch cords/fiber jumpers
- Simplex, Duplex, MPO and Breakout Cable arrangements
- Multiple connector combinations and polish types available
- Connectors fabricated with specific connector-face polish types (UPC & APC)
- All common connector types supported (LC, SC, FC, MTP/MPO RJ45)

Precision OT offers a wide selection of fiber jumpers to further support your optical networking needs and to simplify your procurement experience. Best of all, we guarantee compatibility and offer a 10-year warranty for our customers.

What this means for you:

Expanded Inventory: By adding fiber jumpers into our already comprehensive portfolio, we're proud to become more of a complete fiber optic system provider.

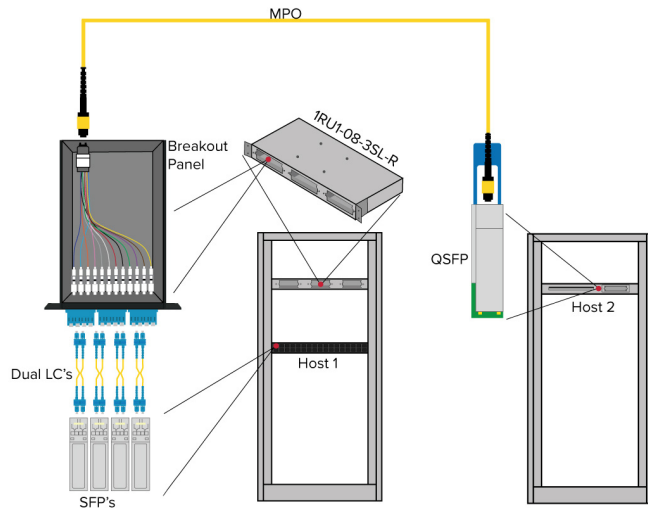
Same Proven Standards: With a reputation for high-quality products, rest assured our jumpers will operate to the same high standards you've come to expect from Precision OT.

Perfect Match: Our Fiber Jumper Configurator combined with inhouse expertise ensures you will purchase the right type of jumpers to support your needs.

100% Compatibility: We guarantee compatibility for all our products, all the time.

Rackmount and Wall Mount Hardware

Maximize your rack & wall space, organize your inter-rack connectivity, consolidate your fiber connections.



Rackmount

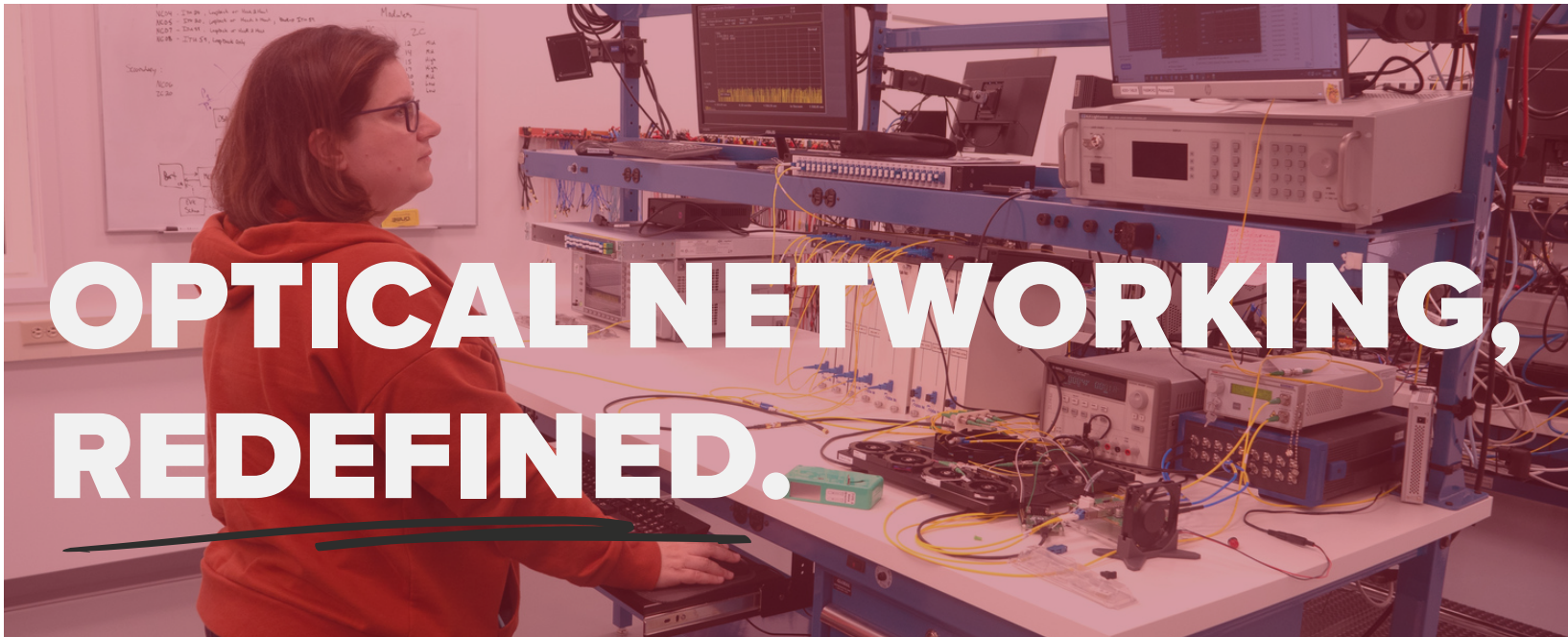
Part Number	Description	Product Page
1RU1-08-3SL-00	19" 1U Rackmount Chassis with 3 LGX Slots, 200mm Depth	Click Here
1RU1-08-3SL-R	19" 1U Rackmount Chassis with 3 LGX Slots, 165mm Depth, Open Rear	
1RU1-00-3SL-00	19" 1U Rackmount Front Panel with 3 LGX Slots	
1RU2-08-3SL-00	23" 1U Rackmount Chassis with 3 LGX Slots, 200mm Depth	
3RU1-00-7DL-00	19" 3U Rackmount Front Panel with 7 Double LGX or 14 Single LGX Slots	
3RU1-08-7DL-00	19" 3U Rackmount Chassis with 7 Double LGX or 14 Single LGX Slots, 200mm Depth	
3RU1-08-7DL-R	19" 3U Rackmount Chassis with 7 Double LGX or 14 Single LGX, 200mm Depth, Open Rear	

Wall Mount

Part Number	Description	Product Page
WM1-XD-00	Wall Mount Bracket, Type 1, Dual LGX Capable	Click Here
WM2-1RU1-00	Wall Mount Bracket, Type 2, Vertical 1RU 19"	

Fiber Management

Part Number	Description	Product Page
FMT-LGX-19	Fiber Management Tray, LGX, 1RU 19", Chassis Mount	Click Here
FMT2-LGX-19	Fiber Management Tray, LGX, 1RU 19", Rack Mount	
FSB-LGX-19	Cable Manager Bracket, Rear Rack Mount, 1RU 19"	



OPTICAL NETWORKING, REDEFINED.

USA CORPORATE HEADQUARTERS

Precision Optical Technologies, Inc.
2245 Brighton-Henrietta Townline Road,
Rochester, NY 14623
Phone: +1 (585) 500-4090
Fax: +1 (585) 486-1092

EMEA & India

Precision Optical Technologies, UK Limited
Unit 1 Woodside South Marston Park Swindon SN3 4WA
Phone: +44 1793 677333





LATAM/Brazil

FonNet Networks
Rua Jaime Pinheiro, 35 Guararapes, Fortaleza-CE
60810-250, Brazil

Canada

Precision Optical Technologies, Inc.
2 Bloor Street West | Suite 700, Office
Toronto, Ontario M4W 3E2 Canada

CONNECT WITH US

-  @PrecisionOpticalTechnologies
-  @PrecisionOpticalTechnologies
-  @PrecisionOT
-  @PrecisionOT

r1_06092026