

Fiber Optic Products Guide

Enterprise, High Speed Interconnect and Storage Applications



400G QSFP-DD/OSFP (Optical)

Datacom applications for 8x50GE

- Compliant to 400GE 802.3bs electrical specs with host FEC for all optical variants
- DR4 to support up to 500m SMF link distance
- DR4+/FR4 to support up to 2 km SMF link distance
- Optical breakout support for 400G DR4/DR4+ to 4x100G DR/FR
- Compliant to QSFP-DD MSA
- Commercial temperature range
- Digital diagnostics monitoring
- Two wire serial management interface



100G QSFP28 (Optical)

Datacom applications for 4x25GE/100GbE/128GFC and for EDR InfiniBand and omni-path applications

- Compliant to 100GbE 802.3 electrical specs for all optical variants
- DR/FR1 to support up to 2 km link distance
- SR4 (eSR4) to support 100m (300m) OM4 MMF link using MPO connectors
- BiDi to support 100m OM4 MMF link using duplex LC connectors
- 100G Single Lambda LR1/FR1/DR to support up to 10 km link distance
- SW4 to support 128GFC up to 100m OM4 MMF link distance
- Compliant to QSFP28 MSA
- Wide case temperature range
- Digital diagnostics monitoring
- Two wire serial management interface



1G SFP, 10G SFP+ & 25G SFP28 (Optical and 1GBASE-T)

Datacom applications using 1/10/25 Gigabit Ethernet and 64G/32G/16G/8G/4G/2G/1G Fibre Channel

Fronthaul applications using 1.22G through 25.78G eCPRI

- 3.3V operating voltage
- Short- and long-reach applications
- Digital diagnostics monitoring
- Available for 1G SFP copper with RJ-45
- Available in commercial, extended, and industrial operating temperatures for selected applications



SFP28 Active Optical Cables

Data center networking; networked storage systems; high performance computing

- SFP28 AOC for 25GbE applications
- 0-70°C case temperature
- Cable lengths up to 20m



300G CXP2 (Optical)

High bandwidth data center interconnects for switching, routing; high performance computing

- CXP2 up to 300G aggregate bandwidth (12 x25G) with link distance up to 100m
- Compatible with InfiniBand, PCIe, Ethernet, and proprietary interconnects
- 0-70°C case temperature
- Full digital monitoring feature set including Tx equalization, Rx de-emphasis, and full CDR functionality (CXP2).



40G QSFP+ (Optical)

Datacom applications for 4x10GE/40GbE/4x14G, and for QDR InfiniBand applications

- SR4 to support 4xQDR/40GE aggregate application up to 150m OM4 MMF link distance
- iSR4 to support 4x10GE/40GE up to 150m OM4 MMF link distance
- eSR4 to support 4x10GE/40GE up to 400m OM4 MMF link distance
- Bi-Directional (BiDi) to support 40GE up to 150m link distance over LC Duplex OM4 MMF
- Digital diagnostics monitoring
- Two wire serial management interface



CXP2 Active Optical Cables

High bandwidth data center interconnects for switching, routing; high performance computing

- CXP2 up to 300G aggregate bandwidth (12 x25G)
- Compatible with InfiniBand, PCIe, Ethernet, and proprietary interconnects
- 0-70°C case temperature
- Cable lengths up to 100m
- Full digital monitoring feature set including Tx equalization, Rx de-emphasis, and full CDR functionality (CXP2).



Future Products in Development

For products not listed on this brochure, please contact your local Sales team. Custom products or products in active development are not shown on this products guide.

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