FOIT Fiber Optic Products Guide

400G QSFP-DD/OSFP (Optical)
Datacom applications for 4x100G, 800G, 1200G, and for QDR Infiniband applications
- Compliant to 400GE 800.3.2 on electrical specs for all optical variants
- 2K/F to support up to 1 km link distance
- 4K (4x4K) to support 100m (300m) OMM/MF link using 12G combo connectors
- 8K to support 100m OMM/MF link using duplex LC connectors
- CDR based solution for 5G wireless application
- U4K/OM4/OM4M-10 to support up to 10 km link distance
- 56W to support 1200G up to 100m OMM/MF link distance
- Compliant to QSFP28-85A
- Wide-case temperature range
- Digital diagnostics monitoring
- Two wire serial management interface

100G QSFP28 (Optical)
Datacom applications for 4x25G/100G/250G/128G/4Q and for CDR Infiniband and core-path applications
- Compliant to 100G6E 802.3 on electrical specs for all optical variants
- 20W/F to support up to 2 km link distance
- 48W (4x48W) to support 100m (300m) OMM/MF link using 12G combo connectors
- 8K to support 100m OMM/MF link using duplex LC connectors
- CPRI based solution for 5G wireless application
- U4K/OM4/OM4M-10 to support up to 10 km link distance
- 56W to support 1200G up to 100m OMM/MF link distance
- Compliant to QSFP28-85A
- Wide-case temperature range
- Digital diagnostics monitoring
- Two wire serial management interface

120G CXP & 300G CXP2 (Optical)
High bandwidth data center interconnects for switching, routing, high-performance computing
- CXP up to 110G aggregate bandwidth (12 x 12.5G) with link distance up to 100m
- CXP2 up to 100G aggregate bandwidth (12 x 25G) with link distance up to 100m
- Fully compliant 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)

120G Embedded Optical Modules
High performance computing and communications applications needing high density optical interconnects
- MicroPOD® and MiniPOD® Embedded Optics
  - Up to 144 Gb/s per channel, 12 channels
  - Separate Tx and Rx modules for maximum board layout flexibility
  - Up to 168 Gb/s aggregate bandwidth
  - Inside-box design eliminates EMI/RFI shielding
  - Full digital monitoring capability per channel including programmable Tx equalization and Rx de-emphasis
  - 0-70°C case temperature
  - Full digital monitoring feature set including Tx equalization, Rx de-emphasis, and full CDR functionality (CXP2)

Connectors and Cages
- 400G QSFP+ (Optical)
  - Supports data rates up to 400 Gb/s with 56 Gb/s per channel (PAM4) and/or 200 Gb/s with 25 Gb/s per channel (NRZ)
  - 40°C to 85°C Operating Case Temperature
  - Compliant to QSFP-DD / SFP-DD / QSFP28 / QSFPP+ / SFP+ / MSA
  - RoHS Compliant
  - Enhanced EMI protection
  - Full digital monitoring feature set
  - High-level of heat dissipation
  - Exhibits superior signal integrity along with mechanical and electrical performance

Direct Attached Cable
Data center networking: networked storage systems, high performance computing: proprietary high speed interconnect
- Supports data rates up to 400 Gb/s with 56 Gb/s per channel (PAM4) and/or 200 Gb/s with 25 Gb/s per channel (NRZ)
- Compliant to 40GBASE-T
- RoHS compliant
- -20°C to 80°C operating case temperature
- Wire gauge options: 30, 28, and 26 AWG

Future Products in Development
For products not listed in this brochure, please contact your local sales team. Custom products or products in active development are not shown on this products guide.
**FOIT Fiber Optic Products Guide**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Package</th>
<th>Protocol</th>
<th>Fiber Type</th>
<th>Data Rate [GBd]</th>
<th>Reach [m]</th>
<th>Tech Ref</th>
<th>Part Number</th>
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