

10 Gbps Modules

10 Gbps XENPAK transceiver module 065-10GMM is a hot pluggable module in the Z-direction that is usable in typical router line card applications, Storage, IP network and LAN and compliant to XENPAK MSA. The maximum transmission length of 065-10GMM is defined from 26m to 300m, depending on Multi Mode fiber types.

The 065-10GMM is a fully integrated 10.3 Gbit/s optical transceiver module that consists of a 850 nm wavelength VCSEL optical transmitter and receiver, XAUI interface, Mux and Demux with clock and data recovery (CDR).

Mechanical dimensions, connectors and footprint of 065-10GMM conform to XENPAK MSA. The module size is 4.76 x 1.42 x 0.46" with 70-pin electrical connector. The maximum power consumption is 4.0 W and power supply voltages are +3.3 V and +1.8 V.

10 Gbps Modules

PART NO.	DESCRIPTION
065-10GMM	10 Gbps module, 850 nm SC, 300 m
065-10GSM	10 Gbps module, 1,310 nm SC, 10 km
065-10GSMED	10 Gbps module, 1,550 nm SC, 40 km
065-10GBSMXLD	10 Gbps module, 1,550 nm SC, 80 km

SPECIFICATIONS

065-10GMM

- 10 Gbps (10.3125 Gbit/s) Transceiver
- Compliant to IEEE 802.3ae 10GBASE-SR Application
- XAUI Electrical Interface: 4 Lanes @ 3.125 Gbit/s
- Hot Z-Pluggable
- SC-Duplex Optical Receptacle
- MDIO, DOM Support
- 850 nm wavelength VCSEL for Optical light source
- PIN Photo-detector
- Up to 300 m reach over 50/125 µm MMF with Minimum modal bandwidth @ 850 nm of 2,000 MHz
- Operating Case Temperature: -5° to 70°C
- Compliant to XENPAK MSA
- Mechanical Footprint (L x W x H): 4.76 x 1.42 x 0.46"

065-10GSM

- XAUI Electrical Interface: 4 Lanes @ 3.125 Gbit/s
- Hot Z-Pluggable
- SC-Duplex Optical Receptacle
- MDIO, DOM Support
- Uncooled 1.3 m DFB-LD
- PIN Photo-detector
- Operating Case Temperature: 0° to 70°C
- Compliant to IEEE 802.3ae 10GBASE-LR Application
- Compliant to XENPAK MSA
- Mechanical Footprint (L x W x H): 4.76 x 1.42 x 0.46"

065-10GBSMXLD

- 80 km Transmission Distance
- [TRE7062ENabcSW] 100 GHz DWDM application
- Cooled 1550-nm EA-DFB Transmitter and APD Receiver
- XAUI Electrical Interface: 4 Lanes @ 3.125 Gbit/s
- Comply with XENPAK MSA for ER application with expansion to 80 km
- Hot Pluggable
- SC-Duplex Optical Receptacle
- MDIO, DOM Support
- Operating Case Temperature: 0° to 70°C
- Mechanical Footprint (L x W x H): 4.76 x 1.42 x 0.46"

065-10GSMED

- XAUI Electrical Interface: 4 Lanes @ 3.125 Gbit/s
- Hot Z-Pluggable
- SC-Duplex Optical Receptacle
- MDIO, DOM Support
- 1.55 m laser
- PIN Photo-detector
- Operating Case Temperature: 0° to 70°C
- Compliant to IEEE 802.3ae 10GBASE-ER
- Compliant to XENPAK MSA