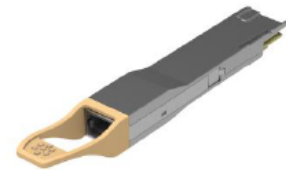


400G QSFP-DD SR8 PAM4 100m Optical Transceiver

GQD-MPO401-SR8CB (DSP)

Features

- Hot-pluggable QSFP-DD form factor
- 8 channels full-duplex transceiver module
- 8x 850nm VCSEL array and PIN photo-detector array
- Internal CDR circuits on both receiver and transmitter channels
- Compliant with QSFP-DD MSA, IEEE 802.3cd 200GBASE-SR4 and CMIS
- Data rate up to 425Gbps (8x PAM4 53Gbps)
- Reach up to 70m (OM3) or 100m (OM4) over MMF with FEC
- Power consumption < 10W
- MPO24 receptacle
- Built-in digital diagnostic functions
- Operating case temperature range from 0°C to 70°C
- 3.3V power supply voltage
- RoHS compliant (lead free)



Applications

- 2x 200GBASE-SR4 Ethernet

Description

The Gigalight 400G QSFP-DD SR8 PAM4 100m optical transceiver (GQD-MPO401-SR8CB) is designed for 2x 200GBASE-SR4 Ethernet links reach up to 70m (OM3) or 100m (OM4) over Multi-Mode Fiber (MMF) with FEC. This high-performance module integrates eight data lanes in each direction with 8x 26.5625GBd. Each lane can operate at a data rate up to 53.125Gbps using a nominal wavelength of 850nm. The electrical interface uses a 76-contact edge type connector. The optical interface uses a 24-fiber MTP/MPO connector. Compliant with the Common Management Interface Specification (CMIS) for QSFP-DD modules, the 400G QSFP-DD SR8 transceiver incorporates Gigalight's proven circuit and VCSEL technology to provide reliable long life, high performance, and consistent service.