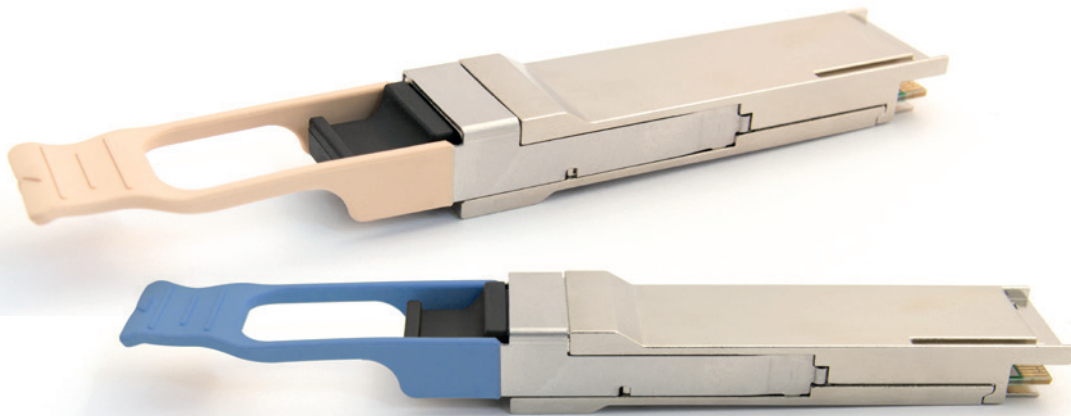


REFLEXPHOTONICS®

The most rugged high-performance parallel optic module.



QSFP28 40G and 100G

Key advantages

- Interoperable
- Rugged
- Reliable
- Customizable

Configurations

- QSFP28 SR4 100 m
- QSFP28 LR4 10 km
- QSFP28 PSM4 2 km
- QSFP28 AOC 100 m

QSFP28 product summary

The QSFP28 is a hot-pluggable, high-density transceiver which provides 4 channels of high speed traffic in both directions. QSFP28 supports 100G Ethernet for data center, cloud networks and high-performance computing networks. QSFP28 modules are available in multi-mode and single mode versions and also as AOC (active optical cable). The Reflex Photonics QSFP28 is designed to meet harsh operating conditions including temperature, humidity and EMI interference.

QSFP28 SR4

Features

- 4 independent full-duplex channels
- Up to 28 Gbps data rate per channel
- IEEE 802.3bm 100GBASE-SR4 compliant
- Up to 100 m on OM4 MMF
- Operating case temperature: 0°C to 70°C
- Maximum power consumption: 3.5 W

QSFP28 PSM4

Features

- 4 independent full-duplex channels
- Up to 28Gbps data rate per channel
- IEEE 802.3bm 100GBASE-PSM4 compliant
- Up to 2 km reach for G.652 SMF
- Operating case temperature: 0°C to 70°C
- Maximum power consumption: 3.5 W

QSFP28 LR4

Features





- IEEE 802.3bm 100GBASE-LR4 compliant
- Up to 10 km reach for G.652 SMF
- Operating case temperature: 0°C to 70°C
- TX: cooled 4 × 25Gbps LAN WDM EML TOSA
- RX: 4 × 25Gbps PIN ROSA
- Maximum power consumption: 4.5 W

QSFP28 AOC

Features

- 4 independent full-duplex channels
- Up to 28 Gbps data rate per channel
- QSFP MSA compliant
- Up to 100 m on OM4 MMF
- Operating case temperature: 0°C to 70°C
- Maximum power consumption: 3.5 W

QSFP ordering information

| Part Number | Description | TX Laser | Reach (m) | Power Consumption (W) | Availability |
|---|---------------|-----------------------|-----------|-----------------------|----------------------|
| QS-X04-C01801-02 | QSFP+ SR4 | 850 nm VCSEL | 100 | <1.5 | General Availability |
| QE-X04-C01801-02 | QSFP+ eSR4 | 850 nm VCSEL | 300 | <1.5 | General Availability |
| QI-X04-C01801-02 | QSFP+ IR4 | DFB CWDM | 2000 | <3.5 | General Availability |
| QL-X04-C01801-02 | QSFP+ LR4 | DFB CWDM | 10 000 | <3.5 | General Availability |
| QX-X04-C01801-02 | QSFP+ ER4 | DFB CWDM | 30 000 | <3.5 | General Availability |
| PI-X04-C01801-02 | QSFP+ PSM IR4 | 1310 nm DFP | 1400 | <3.5 | General Availability |
| PL-X04-C01801-02 | QSFP+ PSM LR4 | 1310 nm DFP | 10 000 | <3.5 | General Availability |
| QA-X04-C01801- Onnn-0-02 | QSFP+ AOC | 850 nm VCSEL | 3 to 100 | <3.5 | General Availability |
|  QS-X04-C02801-01 | QSFP28 SR4 | 850 nm VCSEL | 100 | <3.5 | General Availability |
|  QL-X04-C02801-01 | QSFP28 LR4 | 1294-1310 nm LWDM EML | 10 000 | <4.5 | General Availability |
|  PF-X04-C02801-01 | QSFP28 PSM4 | 1310 nm DFP | 2000 | <3.5 | General Availability |
|  QA-X04-C02801-0100-0-01 | QSFP28 AOC | 850 nm VCSEL | 100 | <3.5 | General Availability |

THE *Light* on Board® Company

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Reflex Photonics is certified to ISO 9001

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