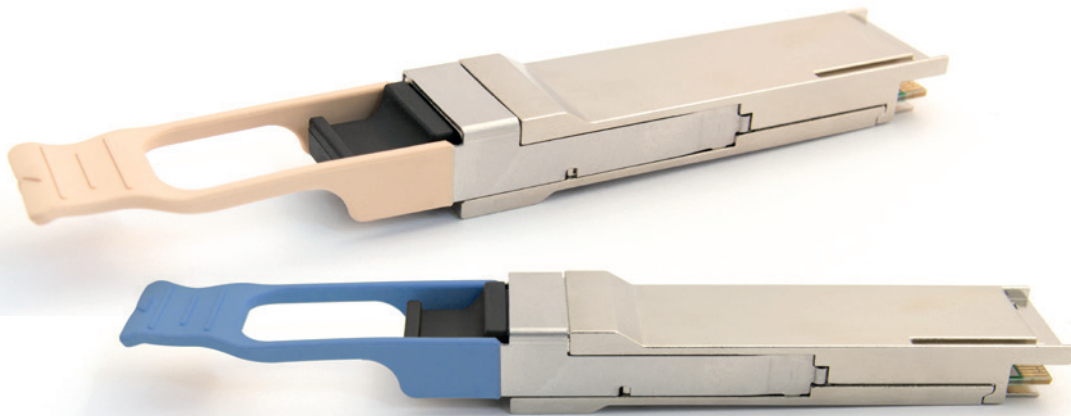


High-performance parallel optic module.

---



## 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 lanes 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).

## QSFP28 SR4

### Features

- 4 independent full-duplex lanes
- Up to 28 Gbps data rate per lane
- 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 lanes
- Up to 28Gbps data rate per lane
- 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 lanes
- Up to 28 Gbps data rate per lane
- 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

[www.reflexphotonics.com](http://www.reflexphotonics.com)

### Reflex Photonics Inc.

16771, Chemin Ste-Marie  
Kirkland, QC  
H9H 5H3, Canada

### For information on Reflex Photonics products, contact:

[sales@reflexphotonics.com](mailto:sales@reflexphotonics.com)  
+1.514.842.5179 (Montreal)  
+1.408.715.1781 (USA)



Reflex Photonics is certified to ISO 9001

\*All specifications are subject to change without notice. All brands are trademarks or registered trademarks of their respective owners and third party entities. Copyright © 2017 by Reflex Photonics.  
QSFP28\_EN\_201710