

General Description

SFPs available from PDR are high performance and cost effective modules for serial optical data communication applications. The interface converters meet the industry standard of SFP. This module is designed for single mode fiber operation at various wavelengths or multi-mode fiber operation at the wavelength of 850nm/1310nm. The transmitter section incorporates an advance FP/DFB laser for single-mode or VCSEL for multi-mode, with temperature compensation and automatic power control circuit (APC). The receiver section incorporates an efficient InGaAs/InPIN photodiode, with AGC for wide dynamic range. The modules are hot-pluggable, all of them are housed in a stainless package and the combination produces a component of high reliability.

SFP Transceivers

- Class 1 laser product EN 60825-1-standards
- Operating data rate up to 2.67Gbps
- Compliant with SFP MSA and SFF-8472
- Compliant with SDH/SONET
- Hot pluggable SFP footprint
- 3.3V single Power supply
- ROHS-6 Compliant
- Low power dissipation
- Metal enclosure provides lower EMI
- Operating Temperature: Standard (0~70°C), Industrial (-40~85°C)



SFP+ Transceivers

- Class 1 laser product EN 60825-1-standards
- Operating data rate up to 11.3Gbps
- Compliant with SFP+ MSA and SFF-8431
- Compliant with Ethernet/SDH/SONET
- Hot pluggable SFP footprint
- 3.3V single Power supply
- ROHS-6 Compliant
- Low power dissipation
- TTL Sing detect Indicator
- Operating Temperature: Standard (0~70°C), Industrial (-40~85°C)



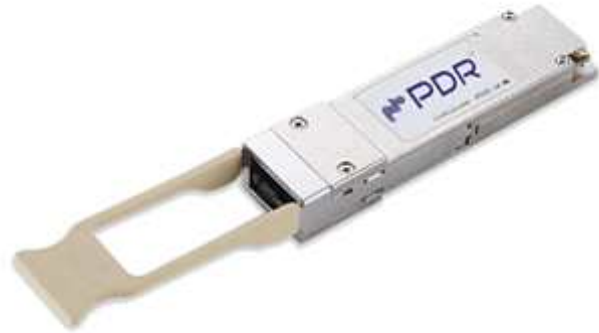
SFP28 Transceivers

- Hot-pluggable SFP28 form factor
- Supports 25.78125 Gb/s data rate
- Internal CDR on both transmitter and receiver channel
- Duplex LC receptacles
- Built-in digital diagnostic functions
- Single 3.3V power supply
- RoHS6 compliant (lead free)
- Operating Temperature: Standard (0~70°C), Industrial (-40~85°C)



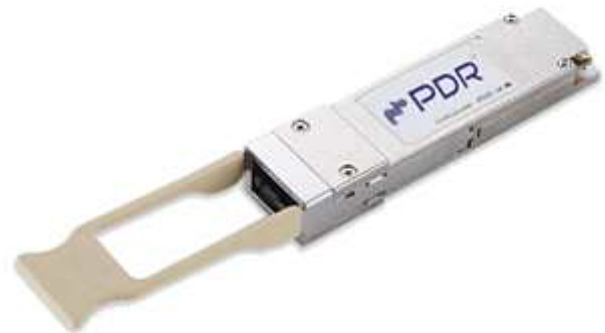
QSFP+ Transceivers

- Hot-pluggable QSFP+ form factor
- Supports 41.2Gb/s aggregate bit rates
- Power Dissipation <1.5W
- RoHS-6 compliant (lead-free)
- MSA QSFP+ Compliant
- Single 3.3V power supply
- XLPP electrical interface
- Single MPO/MTP receptacle
- Operating Temperature: Standard (0~70°C), Industrial (-40~85°C)



QSFP-DD 400G Transceivers

- Hot-pluggable QSFP-DD form factor compliant with CMIS
- 8 channels full-duplex transceiver module, Transmission data rate up to 53Gbps per channel for QSFP-DD Sr8
- 4 channels full-duplex transceiver module, Transmission data rate up to 100Gbps per channel for QSFP-DD DR4/FR4
- Internal CDR circuits on both receiver and transmitter channels, Support CDR bypass
- Low power consumption



QSFP-DD 200G Transceivers

- Hot-pluggable QSFP-DD form factor
- 8 channels full-duplex transceiver module
- Internal CDR circuits on both receiver and transmitter channels
- Support CDR bypass
- Low power consumption
- Supports CDR bypass
- Compliant with QSFP-DD MSA, CMIS and IEEE 802.3bm 100GBASE-SR4
- Data rate up to 206.25Gbps (8x25G NRZ)
- Power consumption <4W
- MPO24 receptacle
- 3.3V Power supply voltage
- RoHS compliant (lead free)
- Operating Temperature: Standards (0~70°C)



QSFP28 Transceivers

- Hot-pluggable QSFP28 form factor
- 4 channels full-duplex transceiver module
- Supports 103.125Gb/s aggregate bit rate
- 4 channels transmitter
- 4 channels PIN photo detector array
- Internal CDR circuits on both receiver & transmitter channels
- Support CDR bypass
- Built-in digital diagnostic functions
- Single 3.3V power supply
- RoHS-6 compliant (lead free)
- MSA QSFP28 Compliant
- Operating Temperature: Standards (0~70c)



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