

50GSFP28 Optical Module



Overview

Q282D080500F is a high performance QSFP28 transceiver module for 50Gbps data links over a single mode fibre pair. The two transmitters are cooled 1310nm LAN-WDM lasers generating two optical 25Gbps output signals, which are multiplexed together at the FS 50G QSFP28, SFP56 optical module solution used for high-density switching, routing and data center applications. 50GBASE-LR Ethernet Links, Data centers, Data center Internal networks, Campus networks, Metropolitan networks, 5G wireless networks and other communication environments. When this type of optical module is used to interconnect with a WDM device, the 1+1 protection switching duration on the client side of the WDM device is longer than 50 ms. VCSEL and PIN array package is the key technique, through I2C system can contact with module. Differential input voltage amplitude is measured between TxnP and TxnN.



Article Content

VIAVI fX3 8-Port SFP28 Test Module 25G/10G Ethernet

SFP28 Test Module 25/10G The VIAVI fX3 Ethernet multi-speed module combines VIAVI's industry-leading Layer 2-3 traffic generation and analysis with powerful network emulation and application

50G QSFP28 Active Optical Cables | Gigalight

The ModSell allows the use of multiple QSFP modules on a single 2-wire interface bus. When the ModSell is "High", the module will not respond to any 2-wire interface communication from the host.

Fiber Optic Connectors | Products | Amphenol

AFSI's line of 109 series hermaphroditic connectors offers the ultimate in flexibility and is a direct replacement for the TAC4. The 109 connector line meets or

50G QSFP28/SFP56 Optical Transceiver Modules

FS 50G QSFP28, SFP56 optical module solution used for high-density switching, routing and data center applications. Click to get your 50g sfp56, qsfp28

Global Optical Transceiver Market Strategic Audit 2026

The current super-normal profits generated by 800G modules have incentivized aggressive brownfield capacity expansions. As upstream optical chip yields improve and assembler

Differences Between Optical Modules SFP, SFP+, CFP, XFP, QSFP

What is QSFP? QSFP, known as Quad Small Form-factor Pluggable, is a four-channel small form-factor pluggable optical module with four independent full-duplex transceiver channels.

50G QSFP28

Eoptolink's 50G PAM4 QSFP28 transceiver module is designed for 50 Gigabit Ethernet links over 10~40km single mode fiber. Digital diagnostics functions are

50G QSFP28 ER PAM4 1310nm 40km 50G

HeyOptics provides 50G QSFP28 ER PAM4 optical modules and other 50G transceivers in 50GBASE-LR (10km) and 50G BiDi QSFP28 (bidirectional

QSFP28 50G ZR2 | HiSilicon Optoelectronics

This module contains 2-lane optical transmitter, 2-lane optical receiver and module management block including 2 wire serial interfaces. The optical signals are

5G Optical Transceiver Market Report 2026

Key opportunities in the 5G Optical Transceiver Market include supporting rapid 5G infrastructure expansion and high mobile data demands with advanced transceivers. Emphasis on

Optical Transceiver Module : Products & Solutions | NEC

NEC has been developing and manufacturing optical transceivers for more than 30 years since the dawn of the optical communications era. Based on this

Search Results,Supplier-Fibermall

Our company provides Search Results at wholesale price. You can get fast delivery, high-quality service and free optical communication product solution consultation-Fibermall

Custom 50G SFP56 Optical Transceivers | SR/LR/ER | WolonFiber

Q: Can WolonFiber code this module to be compatible as an aruba 50g sfp56?A: Absolutely. Our factory optical engineers can custom-flash the EEPROM to mirror the exact handshake protocols of

AOC, DAC, ACC, AEC Modules: The most Complete

Understand AOC, DAC, ACC & AEC modules in one guide. Compare features, benefits & best use cases to choose the right cable for your

50G QSFP28 Active Optical Cables Datasheets | FiberStamp

They are suitable for short distances and offer a cost-effective solution to connect within racks and across adjacent racks. The 50G QSFP28 AOC is an assembly of 2 full-duplex lanes and each lane is

100G PON Optical transceiver manufacturer and Top RJ45 connectors ...

Comprehensive guide to Passive Optical Network (PON) technology, covering GPON, EPON, XGS-PON, NG-PON2, and future 50G/100G standards. Learn PON architecture, components,

Q282D080500F / QSFP28 / 50GBase-ZR2

Q282D080500F is a high performance QSFP28 transceiver module for 50Gbps data links over a single mode fibre pair. The maximum reach is 80km. The two transmitters are cooled 1310nm LAN-WDM

MikroTik · SFP/QSFP

QSFP-DD optical module for reliable 400G fiber connections within ultra-fast setups, like the CRS812 and CRS804!

QSFP28 Transceiver: Complete 100G Connectivity Guide (2026)

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment. Learn how to choose, deploy, and troubleshoot 100G QSFP28 optics.

50Gbps QSFP28 Optical Module

When this type of optical module is used to interconnect with a WDM device, the 1+1 protection switching duration on the client side of the WDM device is longer than 50 ms. The optical power

Optical Transceivers | Fiber Optic Transceivers | Form

Using fiber optic technology, it converts electrical signals from switches or routers into optical signals, transmitted as pulses of light, enabling

Tunable SFP : Optical Transceiver Module | NEC

NEC has been developing and manufacturing optical transceivers for more than 30 years since the dawn of the optical communications era. Based on this

25G/40G/50G/100G Optical Transceiver Modules | FiberMall

FiberMall offers 25G SFP28/40G QSFP+/100G QSFP28 Transceiver Modules designed with form factor, optical/electrical connection, and digital diagnostic interface.

50G LR BiDi QSFP28 | Broadex Technologies

Home > Products > Active Products > 50G Optical Transceiver Modules > 50G LR BiDi QSFP28

50GPON ONU QSFP28 Optical Transceiver Module

Superxon 50G ONU transceivers, compliant with QSFP28 MSA, support single-fiber bi-directional data links with asymmetric TX and RX rates: 24.8832Gbps TX and

Contact Us

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