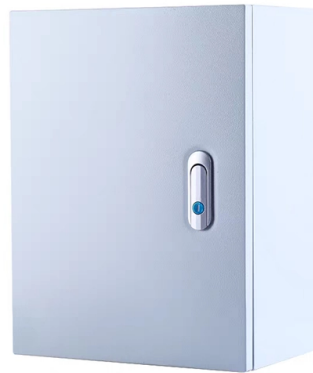


Gulf Region Distributor Optical Line Terminal QSFP-DD



Overview

The module is designed for ZR 400G DCI / PTN applications and ZR+200G metro long-haul OTN applications. It provides high-speed data channels, IIC interface module control and state alarm reporting with 3. The UAE's #1 Trusted Supplier for Optical Transceivers, 40G/100G/400G Modules & High-Performance Connectivity. As the UAE accelerates its expansion in AI, cloud computing, hyperscale data centres, FTTH, and national digital infrastructure, the demand for 40G, 100G, 200G and 400G optical. Founded to bring enterprise-grade fiber connectivity to Lebanon and the broader Middle East at prices that make sense. OptiLink was built on a simple belief: world-class fiber infrastructure. Cisco offers a comprehensive range of pluggable optical modules in the Cisco® pluggables portfolio. Cisco offers a range of GBIC, SFP, XFP, SFP+, CXP, CFP, Cisco CPAK, and QSFP+ pluggable modules. The transceiver operates on CWDM4 wavelengths and works in point-to-point scenario. Digital diagnostics functions are available via the I2C. Smartoptics QSFP-DD transceivers provide cost-efficient 400G and 800G optical networking.



Article Content

Buy QSFP, QSFP28 & QSFP-DD in UAE | High-Speed

UAE's trusted supplier for QSFP, QSFP28 & QSFP-DD modules. High-speed optical transceivers with warranty, UAE stock, fast delivery & full compatibility.

QSFP-DD TRANSCEIVERS for 400G and 800G

As a leading form factor for 400ZR and 800ZR, QSFP-DD delivers cost-efficient, interoperable connectivity with extended reach and simplified deployments for

QSFP-DD LR4 400GbE Universal Optical Transceiver

The 400G QSFP-DD LR4 optical transceiver transmits data over single mode fibre at a distance of up to 10km. The transceiver operates on CWDM4 wavelengths

QSFP-DD MSA targets 200G, 400G optical transceivers

A group of 13 companies have joined to form the QSFP-DD Multi Source Agreement (MSA) Group, with the aim of creating a double-density QSFP optical transceiver. The group plans...

QSFP DD Guide: High-Speed QSFP DD Optical Modules

Learn how QSFP DD enables high-speed 400G networking with higher density, compatibility, and performance for modern data centers.

QSFP-DD Connectors | High Speed I/O | Amphenol

Amphenol's QSFP-DD high-speed connector family features a scalable, high-performance interconnect platform with 76 contacts on a 0.8mm

800G Optical Modules: A Detailed Comparison of QSFP

In today's fast-paced world of data centers and telecoms, 800G optical modules are leading the charge in high-speed network innovation. But

400Gb/s QSFP-DD SR8 100m Optical Module Overview

QDD-400G-SR8 Transceiver is a parallel 400Gb/s quad small form-factor pluggable double density (QSFP-DD) optical module. It enhances port density and saves overall system costs.

QSFP-DD Product Family » Acacia

Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links

QSFP-DD MSA Group releases optical transceiver form factor ...

The Quad Small Form Factor Pluggable Double Density (QSFP-DD) Multi Source Agreement (MSA) group has released its first specification set for the data center optical transceiver. The ...

SFP, QSFP, QSFP-DD, OSFP Active Optical Cable Assemblies

SFP, QSFP, QSFP-DD, OSFP ACTIVE OPTICAL CABLE ASSEMBLIES Our active optical cable assembly portfolio provides improved cable flexibility and longer reach as compared to both

OptiLink — Optical Transceivers & Fiber Optic Equipment | Lebanon

We carry the complete spectrum of optical modules — from 1G SFP modules for access-layer switches to 400G QSFP-DD for hyperscale spines. Every unit is individually tested and pre-coded for plug-and

400G Optical Transceivers: What's the Difference Between OSFP and QSFP-DD?

Because QSFP-DD shares the same size as QSFP, it can directly support 40G QSFP+, 100G QSFP28, and 200G QSFP56 modules. In contrast, OSFP modules cannot be directly plugged into QSFP-DD

Understanding the QSFP-DD Standard: The Foundation of 400G Optical ...

The QSFP-DD standard represents the pinnacle of optical interconnect evolution — enabling unprecedented bandwidth density, efficiency, and scalability for modern data centers.

CISCO QSFP+ CONNECTING MANUAL Pdf Download

View and Download Cisco QSFP+ connecting manual online. Connect Router to the Network. QSFP+ network router pdf manual download. Also for: Qsfp28, Sfp28.

400G QSFP-DD Cable and Transceiver Modules Data Sheet

Product overview The FS® 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety of super high-density transceiver modules and the flexibility

400GbE QSFP-DD Transceiver Modules | Optical Transceivers

FS offers a growing portfolio of 400G QSFP-DD module solutions featuring high-performance, high-bandwidth, and cost-effectiveness. The 400G transceivers are ideal for 400GbE and data centers.

Cisco 400G Digital Coherent Optics QSFP-DD Optical

Cisco now offers a range of all new 400G Digital Coherent QSFP-DD transceivers. Cisco already offers a range of Digital Coherent CFP2 transceivers

QSFP-DD Optical Transceivers - MapYourTech

Introduction QSFP-DD (Quad Small Form-Factor Pluggable Double Density) represents a transformative advancement in optical transceiver

Cisco QSFP-DD Pluggable Open Line System (QSFP-DD OLS)

Product overview The Cisco® QSFP-DD Open Line System (QSFP-DD OLS) is a pluggable optical amplifier module that, together with the channel breakout options (described later), provides a simple

Comprehensive Guide to QSFP – MapYourTech

Comprehensive Guide to QSFP Technology Comprehensive Guide to QSFP Technology Quad Small Form-Factor Pluggable Optical Transceivers

40G QSFP: The Core of Optical Network Interconnection

A: Fiber cables in association with a QSFP-DD module facilitate the transmission of optical signals within a network over long distances. Moreover,

QSFP-DD Optical Transceivers for High-Speed

Cisco's comprehensive portfolio of QSFP-DD modules support 400G and 800G data rates across copper, multimode fiber, and single-mode fiber, and

Complete Guide to 400G QSFP-DD Optical Transceivers

Bandwidth & Application The QSFP-DD module provides maximum bandwidth 400Gbps, whereas the QSFP+/QSFP28/QSFP56 can only achieve 40Gbps/100Gbps/200Gbps respectively so

400G QSFP56-DD

They are operating on CWDM4 wavelength, and are compliant with the QSFP-DD MSA. Digital diagnostics functions are available via the I2C interface, as

Optical Transceivers SFP SFP28 QSFP28 QSFP-DD 1G to 400G Range

Browse optical transceivers from Pivotal Optics including SFP, SFP28, QSFP28 & QSFP-DD modules. 1G to 400G solutions for data centers & networks. Shop now!

400G QSFP-DD ZR+ Coherent Modules | GIGALIGHT

It provides high-speed data channels, IIC interface module control and state alarm reporting with 3.3 V power supplied. The QSFP-DD coherent optical module uses a 76-pin connector as an electrical

QSFP-DD Pluggable Optical Transceiver Modules Market's Drivers

The QSFP-DD Pluggable Optical Transceiver Modules market is booming, driven by 5G, cloud computing, and high-performance computing. Explore market size, CAGR, key players (II-VI,

QSFP DD Connectors

QSFP DD Connectors Amphenol ICC's QSFP DD interconnect system is comprised of a 76 position, 0.8mm pitch connector built for use in high speed serial applications. Each port supports up to

How to Achieve Interconnection Between OSFP and

This article outlines key OSFP and QSFP-DD differences and offers four practical interconnection solutions to support scalable 400G/800G data

Cisco 400G Digital Coherent Optics QSFP-DD Optical Modules

These small, modular optical interface transceivers offer a convenient and cost-effective solution for an array of applications in the data center, campus, metropolitan-area access and ring network, storage

Management Interface

Abstract: This specification defines: the electrical and optical connectors, electrical signals and power supplies, mechanical and thermal requirements, and the management interface of the pluggable

Complete Guide to QSFP-DD, QSFP28, QSFP56,

Understanding the specifications of QSFP-DD, QSFP28, QSFP56, SFP56, and SFP28 helps you build high-performance, future-ready networks. For reliable and

QSFP-DD Linear Pluggable Optics (LPO)

Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe[®] Gen 5.0 over optical link, enabling

200G QSFP-DD Active Optical Cable Datasheet | FS

The QDD200-AOxx is a 8-Channel, Pluggable, Parallel, Fiber-Optic QSFP-DD AOC for 2X100 Gigabit Ethernet, Infiniband FDR/EDR Applications. This transceiver is a high performance module for short

QSFP-DD Packaged Optical Module Market

The QSFP-DD Packaged Optical Module Market, valued at USD 6.48B in 2026, is projected to reach USD 12.85B by 2032, growing at a 11.8% CAGR.

Contact Us

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