

3-Year Warranty LPO Optical Module 40G



Overview

RELIABLE PRODUCT FULLY BACKED AND SUPPORTED: This product is covered by a 3-Year Limited Manufacturer's Warranty and is supported by Tripp Lite's expert US-based technical support team over phone and email. Amphenol XPO-LPO optical transceiver delivers next-generation 12.8T Ethernet connectivity with 224 Gb/s per lane. Leveraging LPO technology, the module provides ultra-low-latency, power-efficient optical links tailored for AI, high-performance computing, and hyperscale data center applications. It. **CISCO COMPATIBLE:** This transceiver module meets or exceeds MSA standards and is designed, programmed and tested to work in all MSA-compliant platforms, and is 100% compatible with Cisco's QSFP-4X10G-LR-S equivalent transceiver module. You can use this transceiver with any compatible Cisco router. The Cisco® 40GBASE QSFP (Quad Small Form-Factor Pluggable) portfolio offers customers a wide variety of high-density and low-power 40 Gigabit Ethernet connectivity options for data center, high-performance computing, 100G networks, enterprise core and distribution layers, and service provider. An LPO (Linear Pluggable Optics) solution offers considerable power savings for optical interconnect by removing the digital signal processing (DSP) function from the pluggable optical module. This architecture takes advantage of the capabilities in each segment of the link to form a power, cost. LPO optical module, Linear drive Pluggable Optics, linear drive pluggable optical module The key difference between LPO and traditional optical modules is Linear drive; The so-called "linear drive" means that the LPO adopts linear direct drive technology, and the DSP (digital signal processing). Buy Bulk Ethernet Cables - Cat5e, Cat6/6a, Cat7 cable 1000ft (UTP/SFTP, 305 metres, blue/yellow), multiple jacket colour of bulk cable available.

Article Content

Cisco 40GBASE QSFP Modules Data Sheet

This module can be used for native 40G optical links over 12-fiber ribbon cables with MPO/MTP connectors or in 4x10G mode with parallel-to-duplex fiber breakout cables for connectivity

LPO Module: Enabling Low Cost and Latency for 400G

LPO, or pluggable optical module based on linear driver chip technology, is an optimized innovation of the traditional hot-pluggable Ethernet

Tripp Lite Cisco-Compatible QSFP-40G-LR4 QSFP

3 year limited warranty Meets or exceeds MSA standards and works in all MSA compliant platforms Provides 40 Gbps throughput up to 10 kilometers 6.2 mi. via

The Evolution of Optical Modules: 400G → 800G → 1.6T – A Strategic ...

Discover the evolution from 400G to 800G and 1.6T optical modules. Learn key technologies, CPO vs pluggable, and upgrade strategies for future-ready data centers.

LPO optical module

LPO optical module has the advantages of low power consumption, low cost, low delay and easy maintenance. LPO will be the most potential

LPO optical module

LPO optical module, Linear drive Pluggable Optics, linear drive pluggable optical module The key difference between LPO and traditional optical

QSFPTEK Online Store for Optical Transceivers

The official store for QSFPTEK. We provide compatible optical modules with online shopping function.

The Evolution of Optical Modules: Powering the Future

This article takes a deep dive into the world of optical modules, exploring their evolution from 400G to the mind-boggling 3.2T.

Tripp Lite 40GBase-PLR4 QSFP+ Cisco Compatible Fiber ...

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High-Performance AI-Driven Data Center & Network

Every module from Swedish Telecom Opto is thoroughly tested before shipping and comes with a full warranty. If it's in your BOM, it's in our lab — verified and pre

High-Performance AI-Driven Data Center & Network

Linear Pluggable Optics (LPO) offer for Europe Our offer Next-Gen Optics, Zero OEM Bloat We're not just another reseller. We collaborate directly with the

What Is LPO Optical Transceiver Module?

2. What is LPO Optical Transceiver Module? LPO, Linear-drive Pluggable Optics, is an optical module packaging technology designed for ease

Optical Interconnect Technology Analysis: LPO, NPO,

Exploring optical interconnects for AI data centers: LPO for low-power, short-distance links, NPO for high-density, near-package connections,

LPO MSA releases Linear Pluggable Optical Modules

Linear Drive Pluggable Optics refers to the use of direct-drive linear technology in fiber modules. According to the LPO MSA, an LPO solution offers

LPO MSA Specification

Abstract The 100G-DR-LPO specification by the LPO (Linear Pluggable Optics) MSA defines 100 Gb/s/lane 53.125 GBd PAM4 optical interfaces, optical links using standard single-mode fiber with up

Bulk Ethernet Cables: Cat5e, Cat6, Cat7 Bulk Cables

Buy Bulk Ethernet Cables - Cat5e, Cat6/6a, Cat7 cable 1000ft (UTP/SFTP, 305 metres, blue/yellow), multiple jacket colour of bulk cable available.

Arista LPO-800G-2DR4 Compatible 800G OSFP

Arista LPO-800G-2DR4 compatible OSFP-800LPO-2DR4 is an 800G Linear Pluggable Optics (LPO) transceiver with LPO technology, optimized for Arista

LPO MSA Announces Release of 400G-FR4-LPO Specification for

Adding the 400G-FR4-LPO physical medium specification supports the LPO MSA's goal of enabling broad market adoption of linear pluggable fiber optic links. The specification defines the

LPO vs DSP for 800G: Power, Latency & When to Choose

The biggest power consumers in an 800G switch are the optical transceivers. LPO cuts per-module power by 40-50% and latency from 8-10 ns

6 Common 40G QSFP+ Optical Module Models

6, 40G ER4 QSFP + optical module: the center wavelength of 1271nm, 1291nm, 1311nm, 1331nm, duplex LC interface, single mode, support for DDM, the operating temperature of 0 ° C ~ 70

QSFP+ 40G LR4 Explained: Your Ultimate Guide to

QSFP+ 40G LR4 enables high-speed, long-range data transfer for data centers, enterprises, and telecoms, supporting reliable 40G network growth

Global LPO Optical Transceiver Module Sales Market Report,

The global LPO Optical Transceiver Module market size was US\$ 188 million in 2024 and is forecast to a readjusted size of US\$ 1760 million by 2031 with a CAGR of 38.2% during the

400G LPO QSFP112 FR4 Optical Transceiver Module

FiberMall LQSFP112-400G-FR4 uses LPO technology and is a high-performance, scalable, low-power optical module suitable for high-speed network applications.

Linear Drive Pluggable Optics

In recent years, significant additional functionality has been added to the Host ASIC SerDes which supports longer transmissions over DAC/copper cables at higher speeds or to enable co-packaged

What is LPO Optical Module? | FiberMall

With 40G, 100G, 400G, and 800G, the power consumption of optical modules has skyrocketed, pushing 30W. It is important to realize that a switch

XPO-LPO Optical Transceiver | Optical Interconnect

Amphenol XPO-LPO optical transceiver delivers next-generation 12.8T Ethernet connectivity with 224 Gb/s per lane. Leveraging LPO technology,

Tripp Lite Eaton Series QSFP-40G-SR4 Cisco Compatible

This QSFP+ transceiver allows you to connect a multimode fiber optic cable to a 40 Gbps network router, server or switch. It transmits data up to 400 meters (1312.3 feet) using an 850 nm wavelength.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.introspec.co.za>

Email: info@introspec.co.za

Phone: +27 73 849 2156

Address: 25 Riebeek Street, Cape Town, 8001, South Africa

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