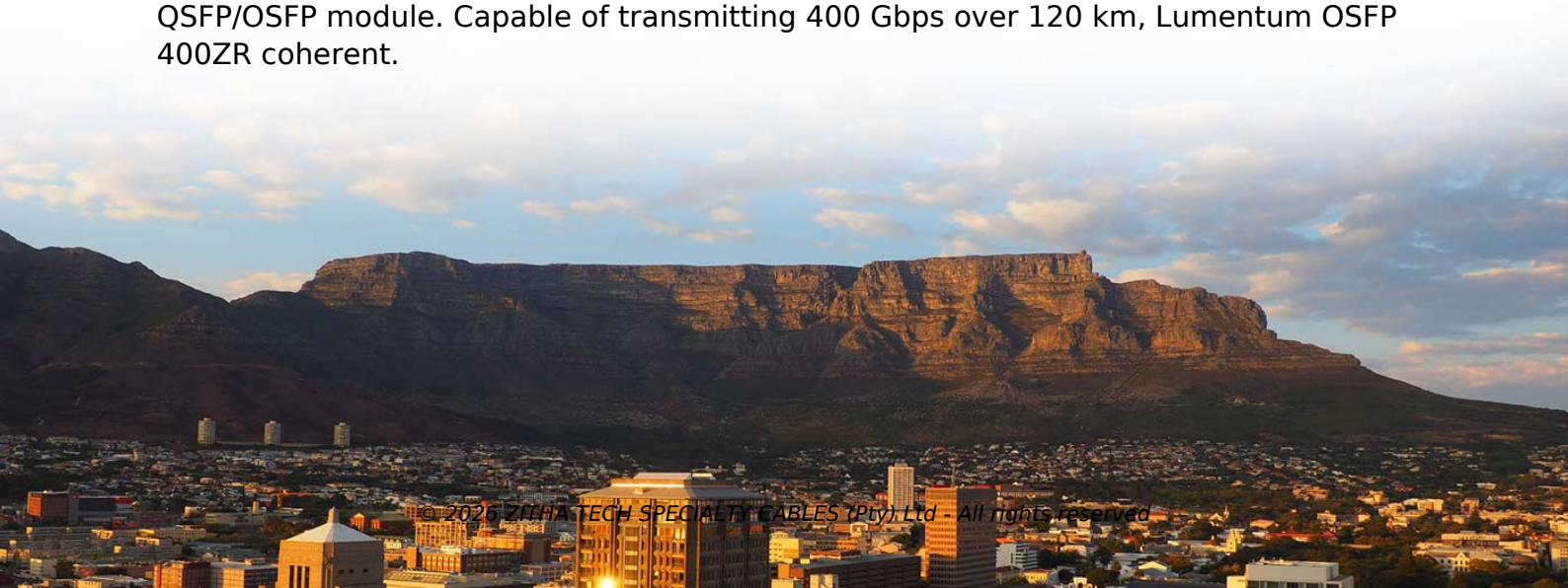
ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Icelandic Coherent Optical Module OSFP



Overview

FTCE8627E1PCA 2x400G VR4 OSFP transceiver modules are designed for use in 2x400 Gigabit Ethernet or InfiniBand links up to 100m of multi-mode fiber. They are compliant with the OSFP MSA, IEEE802. Cisco® QSFP-DD and OSFP 800G ZR/ZR+ coherent optics modules enable 800G traffic over. 800G Telecom ZR+, High Tx output power (0dBm), L-band 5THz tunable, 0°C to 70°C, LC receptacle 800G Digital Coherent Optics (DCO) transceivers are available to support various Dense Wavelength Division Multiplexing (DWDM) applications including Data Center Interconnect (DCI) up to 120km fiber. The OSFP MSA is proud to introduce OSFP1600 and OSFP-XD to the industry. This whitepaper highlights the key aspects and features of each solution with the expectation that both solutions will have a place in future data center applications. The OSFP-XD solution has attracted significant interest in. The Marvell coherent DSP portfolio, including Orion™, Canopus™ and Deneb™ platforms, empower the optical module ecosystem with low-power, high-performance silicon for QSFP-DD, OSFP and CFP2-DCO coherent pluggable form factors for AI cloud data center interconnect and 5G telecom and long-haul. Based on Skorpios' full C-band, 70kHz linewidth, uncooled tunable laser technology, DWDM capable full coherent transceiver devices will be available as TROSA, Engine (with DSP) or QSFP/OSFP module. Capable of transmitting 400 Gbps over 120 km, Lumentum OSFP 400ZR coherent.



© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Article Content

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent Optics Modules

Cisco QSFP-DD and OSFP 800G coherent optical modules are supported on Cisco switches and routers. For more details, refer to the Cisco Transceiver Modules Compatibility Matrix.

OSFP1600_and_OSFP-XD

To accommodate both high-power optical and dense copper solutions, the specification will define separate but compatible heatsink specifications for both optical and copper modules, allowing

Coherent Products

Based on Skorpios'' full C-band, 70kHz linewidth, uncooled tunable laser technology, DWDM capable full coherent transceiver devices will be available as TROSA,

400G ZR/ZR+ OSFP-DCO

Utilizing the latest in house SiPho Coherent Optical Subassembly (COSA) and nano-ITLA, this module delivers superior cost/performance for applications

OSFP Product Family » Acacia

Octal Small Form-factor Pluggable (OSFP) solution that fits into high-density switch and router client ports for optical interconnect links. Powered by Greylock and

OSFP vs OSFP-XD:The Definitive 1.6T Transceiver Form Factor

Discover which form factor—OSFP or OSFP-XD—delivers superior performance for 1.6T optical transceivers. Explore real engineering insights on thermal design, signal integrity, electrical

NVIDIA/Mellanox Compatible 800G SR8 OSFP PAM4 850nm 100m

NVIDIA/Mellanox Compatible 800GBASE-SR8 OSFP IHS/Finned Top 8x100G PAM4 Coherent VCSEL & Broadcom DSP 850nm 100m MMF DOM MPO-16/APC Optical Transceiver Module

Lumentum

Lumentum Holdings Inc. (“Lumentum”), a global leader in photonic solutions, today announced its showcase of technology and product demonstrations designed to meet the

Global Optical Transceiver Market Strategic Audit 2026

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Driven by the need to reduce transatlantic latency, localized edge deployments in Brazil and Chile are driving steady volume increases in mid-range (100G/400G) and coherent ZR optical

Industry News: The Role of 800G OSFP Loopback Modules in Next

Discover the details of Industry News: The Role of 800G OSFP Loopback Modules in Next-Gen Data Centers at LonRise Equipment Co. Ltd., a leading supplier in China for Optical Transceiver

Coherent Optical Equipment Market

The Coherent Optical Equipment Market in 2024 encompassed coherent modules, optical amplifiers, coherent line systems and test equipment with installed coherent ports measured in the

800G Digital Coherent Optics (DCO) Transceiver Market 2026

Other Trends Advancements in Form Factor Specifications Key developments in 800G Digital Coherent Optics (DCO) Transceiver Market focus on form factors like QSFP-DD and OSFP specifications,

800G Optical Transceiver Market Share | Industry

800G Optical Transceiver Market (2026 - 2035) Analysis, Industry Outlook, Growth Drivers & Forecast Report By Product (Data Centers, Telecommunication

OSFP MSA Rev 5.0

Abstract: This specification defines the electrical connectors, electrical signals and power supplies, mechanical and thermal requirements of the OSFP Module, connector and cage systems. The OSFP

Coherent |1.6T OSFP Optical Module | OFC 2026 Demo

Learn more Discover Coherent''s latest 1.6T OSFP optical module demonstrated live at OFC 2026, designed to enable next-generation AI data center connectivity.

OSFP1600_and_OSFP-XD

OSFP-XD can also support 8-lane optics modules that want to take advantage of thermal management capabilities and useable volume inside the module. An 8-lane OSFP-XD module (tentatively referred

QSFP Optical Module Market: $8.6B by 2025, 11.2% CAGR

The QSFP Optical Module market will reach $8.6B by 2025 with an 11.2% CAGR. Growth is driven by government incentives and strategic partnerships. Access key market drivers and

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://zithatech.co.za
Technical inquiry: https://zithatech.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved