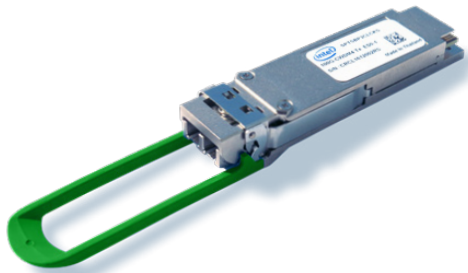


PRODUCT BRIEF

Intel® Silicon Photonics 100G CWDM4 QSFP28 Optical Transceiver



100G CWDM Single Mode Data Center Connectivity



Bringing together the power of optics and the scalability of silicon for a high-speed, integrated optical connectivity solution

Description

The Intel® Silicon Photonics 100G CWDM4 (Coarse Wavelength Division Multiplexing 4-lane) QSFP28 Optical Transceiver is a small form-factor, high speed, and low power consumption product, targeted for use in optical interconnects for data communications applications. The high bandwidth module supports 100GbE optical links over single-mode fiber.

Applications

- Connectivity for large scale cloud and enterprise data centers
- Ethernet switch, router, and client-side telecom interfaces

Features

- Compliant with CWDM4 MSA optical interface specification, with reach up to 500 m, 2 km, or 10 km
- Compact QSFP28 form factor for high faceplate density in networking equipment
- Compatibility with single-mode fiber connectors and cable infrastructures
- CWDM wavelength grid (1271, 1291, 1311, and 1331 nm) for uncooled operation
- Electrical interface compliant with IEEE 802.3bm CAUI-4 standard
- Operating temperature range: 15 to 55°C or 0 to 70°C
- 3.5 W maximum power dissipation
- Full module diagnostics and control through I²C, compliant with SFF-8636 spec

Ordering Information

Part Number	Description
SPTSBP2CLCXX	100G CWDM4 QSFP28 Optical Transceiver, 500 m reach
SPTSBP3CLCXX	100G CWDM4 QSFP28 Optical Transceiver, 2 km reach
SPTSBP4CLCXX	100G CWDM4 QSFP28 Optical Transceiver, 10 km reach



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