

# PRODUCT BRIEF

Intel® Silicon Photonics 100G CWDM4 QSFP28 Optical Transceiver with Extended Temperature



# 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 10 km links over single-mode fiber.

## Applications

- Fronthaul network of 5G connections between RRU and BBU up to 10 km distance
- Connectivity for large scale cloud and enterprise data centers
- Ethernet switch, router, and client-side telecom interfaces

## Features

- Compliant with 4WDM MSA optical interface specification with reach up to 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
- Multi-rate support: 24.33G CPRI and 25.78G Ethernet; compatible with CPRI rate-7
- Operating temperature range: -40 to 85°C
- 3.5 W maximum power dissipation

## Ordering Information

Part Number	Description
SPTSBP41LCXX	100G CWDM4 QSFP28 Optical Transceiver with Extended Temperature, 10 km reach



## Contact us

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