100G CWDM Single Mode Data Center Connectivity

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: -20 to 85°C
• 3.5 W maximum power dissipation

Ordering Information

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<th>Part Number</th>
<th>Description</th>
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<tr>
<td>SPTSBP4ILCXX</td>
<td>100G CWDM4 QSFP28 Optical Transceiver with Extended Temperature, 10 km reach</td>
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