**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**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>SPTSBP2CLCXX</td>
<td>100G CWDM4 QSFP28 Optical Transceiver, 500 m reach</td>
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<tr>
<td>SPTSBP3CLCXX</td>
<td>100G CWDM4 QSFP28 Optical Transceiver, 2 km reach</td>
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<tr>
<td>SPTSBP4CLCXX</td>
<td>100G CWDM4 QSFP28 Optical Transceiver, 10 km reach</td>
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</tbody>
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**Contact us**

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