



# Intel® Silicon Photonics 100G CWDM4 QSFP28 Optical Transceiver

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### Essentials

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Product Collection	Intel® Silicon Photonics Products
Status	Launched
Launch Date <sup>?</sup>	Q3'17
Additional Features	<ul style="list-style-type: none"> <li>Compliant with CWDM4 MSA optical interface specification, with reach up to 500 m, 2 km, or 10 km depending on version</li> <li>Compact QSFP28 form factor for high faceplate density in networking equipment</li> <li>Compatibility with single-mode fiber connectors and cable infrastructures</li> <li>CWDM wavelength grid (1271, 1291, 1311, and 1331 nm) for uncooled operation</li> <li>Electrical interface compliant with IEEE 802.3bm CAUI-4 standard</li> <li>3.5 W maximum power dissipation</li> <li>Operating temperature range: 500m version: 15 to 55oC; 2 km and 10 km versions: 0 to 70oC</li> <li>Full module diagnostics and control through I2C, compliant with SFF-8636 spec</li> </ul>

### Supplemental Information

Description	It 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.
Product Brief	<a href="#">View now</a>
Additional Information	<a href="#">View now</a>

### Ordering and spec information

#### Intel® Silicon Photonics 100G CWDM4 QSFP28 Optical Transceiver With 500m Reach

MM#	953544
Ordering Code	SPTSBP2CLCDF
ECCN	5A991

#### Intel® Silicon Photonics 100G CWDM4 QSFP28 Optical Transceiver With 10km Reach

MM#	975901
Ordering Code	SPTSBP4CLCDF
ECCN	5A991

#### Intel® Silicon Photonics 100G CWDM4 QSFP28 Optical Transceiver With 2km Reach

MM#	953546
Ordering Code	SPTSBP3CLCDF
ECCN	5A991

#### Intel® Silicon Photonics 100G CWDM4 QSFP28 Optical Transceiver With 500m Reach, version CO

MM#	999DN1
Ordering Code	SPTSBP2CLCCO
ECCN	4A994

#### Intel® Silicon Photonics 100G CWDM4 QSFP28 Optical Transceiver With 2km Reach, version CO

MM#	999DT7
Ordering Code	SPTSBP3CLCCO
ECCN	4A994

### Trade compliance information

ECCN	Varies By Product
CCATS	NA
US HTS	8517620090

### PCN/MDDS Information

953546	<a href="#">MDDS</a>
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### More support options for Intel® Silicon Photonics 100G CWDM4 QSFP28 Optical Transceiver



Product Support



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Support Community



Warranty and Replacement



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Refer to Datasheet for formal definitions of product properties and features.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

\*Announced\* SKUs are not yet available. Please refer to the Launch Date for market availability.

