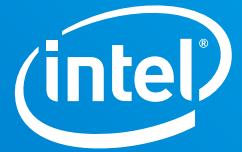


# PRODUCT BRIEF

Intel® Silicon Photonics 100G PSM4 QSFP28 Optical Transceiver



# 100G Parallel 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 PSM4 (Parallel Single Mode fiber 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 PSM4 MSA optical interface specification
- Available in MTP/MPO fiber pigtail or MTP/MPO receptacle optical connector version
- Compact QSFP28 form factor for high faceplate density in networking equipment
- Compatibility with single-mode fiber connectors and cable infrastructures
- Electrical interface compliant with IEEE 802.3bm CAUI-4 standard
- Operating temperature range: 0 to 70°C
- 3.5 W maximum power dissipation
- Full module diagnostics and control through I<sup>2</sup>C, compliant with SFF-8636 spec

## Ordering Information

Part Number	Description
SPTSBP2PMCXX	100G PSM4 QSFP28 Optical Transceiver Receptacle
SPTSBP3PCCXxxx	100G PSM4 QSFP28 Optical Transceiver with integrated LC fiber pigtail, lengths xxx in meters
SPTSBP3PTCXXxxx	100G PSM4 QSFP28 Optical Transceiver with integrated MTP/MPO fiber pigtail, lengths xxx in meters



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