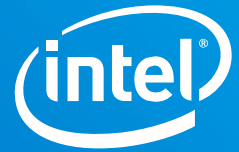
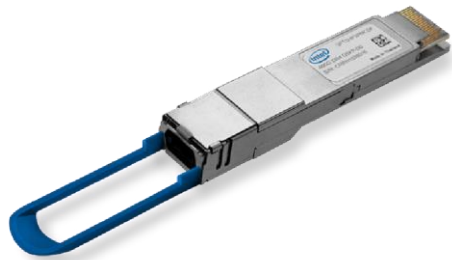


PRODUCT BRIEF

Intel® Silicon Photonics 400G DR4+ QSFP-DD Optical Transceiver



400G Single Mode Optical 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 400G DR4+ (Data center Reach 4-lane with extended reach) QSFP-DD 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 400GbE optical links over single-mode fiber, or quad 100GbE optical links for breakout applications.

Applications

- Connectivity for large scale cloud and enterprise data centers
- Optical interfaces for Ethernet switch, router, and transport networking equipment

Features

- Compliant with IEEE 400GBASE-DR4 optical interface standard and 4x 100G Lambda MSA 100G FR optical interface specification for use in 400GbE or 4x100GbE breakout applications up to 2 km
- Electrical interface compliant with IEEE 802.3bs 400GAUI-8 standard
- Compact Type 2 QSFP-DD form factor for high faceplate density in networking equipment and cage backward compatibility with QSFP28
- Compatibility with single-mode fiber connectors and cable infrastructures
- Operating temperature range of 0 to 70°C
- CMIS-compliant management interface with full module diagnostics and control through I2C
- Class 1 Laser

Ordering Information

Part Number	Description
SPTSH3PMCDF	400G DR4+ QSFP-DD Optical Transceiver with MPO Optical Connector, 2 km Reach
SPTSH2PMCDF	400G DR4 QSFP-DD Optical Transceiver with MPO Optical Connector, 500 m Reach



Contact us

For more information on this or other Intel® Silicon Photonics products visit us at www.intel.com/siliconphotonics

This product brief, including picture and drawings, contains information about a new product. The information contained herein is given to describe certain components and shall not be considered as a guarantee of characteristics. Intel reserves the right to change the design of the products or specifications at any time without notice. The material is provided as is and without any warranties, including but not limited to warranties of non-infringement, description, and fitness for a particular purpose.

For use only by product developers, software developers and system integrators. For evaluation only; not FCC approved for resale.

© 2020 Intel Corporation Printed in USA Please Recycle 05/2020 343512-001