



100G Single Mode Optical Data Center Connectivity

Description

The Intel® Silicon Photonics 100G DR/FR/LR 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 up to 10km over single-mode fiber.

Features

- Compliant with IEEE 100GBASE-DR optical interface standard and 100G Lambda MSA 100G FR and 100GBASE-LR1 optical interface specification for use in 100GbE optical links up to 10 km
- Interoperates with 400G DR4 (100G DR) and 400G DR4+ (100G FR) optical modules in 4x100GbE breakout applications
- Electrical interface compliant with IEEE 802.3bs CAUI-4 standard
- Compact QSFP28 form factor
- Compatibility with single-mode fiber connectors and cable infrastructures
- Operating temperature range of 0 to 70°C
- Class 1 Laser

Ordering Information

Part Number	Description
SPTSLP2SLCDF	Intel® Silicon Photonics 100G DR QSFP28 Optical Transceiver With LC Optical Connector, 500m Reach
SPTSLP3SLCDF	Intel® Silicon Photonics 100G FR QSFP28 Optical Transceiver With LC Optical Connector, 2km Reach
SPTSLP4SLCDF	Intel® Silicon Photonics 100G LR QSFP28 Optical Transceiver With LC Optical Connector, 10km Reach



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