Cisco CFP-100G-LR4 Datasheet

Cisco CFP-100G-LR4 100GBASE-LR4 1310nm SMF CFP Module 10-2549-02 IPUIBHCRAB

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The Cisco® 100GBASE CFP modules offer customers 100 Gigabit Ethernet connectivity options for data center networking, enterprise core aggregation, and service provider transport applications.

Features and benefits

Main features of Cisco 100GBASE CFP modules include:

- Supports 100GBASE Ethernet
- Hot-swappable input-output device that plugs into an Ethernet CFP port of a Cisco switch or router
- Provides flexibility of interface choice
- Supports "pay-as-you-populate" model
- Supports Digital Optical Monitoring (DOM)
- Supports the Cisco quality identification (ID) feature that enables a Cisco switch to identify whether the module is certified and tested by Cisco

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The Cisco 100GBASE-LR4 (Figure 1) CFP module supports a link length of 10 kilometers on standard single-mode fiber (SMF, G.652). 100 Gigabit Ethernet signal is carried over four wavelengths. Multiplexing and demultiplexing of the four

wavelengths are managed within the device.

Specifications

- Brand: Cisco
- Part Number: CFP-100G-LR4
- MPN: 10-2549-02
- Type: 100GBASE-LR4 1310 nm SMF
- Connectors: Dual SC/PC Connector
- Wavelength (nm): 1310 band (LAN-WDM)
- Fiber Type: SMF
- Core Size (microns): G.652
- Max Distance: 10km
- Digital Optical Monitoring (DOM): Yes
- Average Transmit Power (dBm)
    - Max: 4.5 per lane
    - Min: -4.3 per lane
- Average Receive Power (dBm)
    - Max: 4.5 per lane
    - Min: -10.6 per lane
- Transmit and Receive Wavelength: Four lanes, 1295.6 nm, 1300.1 nm, 1304.6 nm, and 1309.1 nm

Dimensions

- Dimensions (D x W x H): 144.8 x 82 x 13.6 mm
- Cisco CFP modules typically weigh less than 300 grams.

Environmental conditions and power requirements

- The operating temperature range is between 32 and 158°F (0 to 70°C)
- The storage temperature range is -40 to 185° F (-40 to 85° C)
- The maximum power consumption per Cisco CFP-100G-LR4 module is 24W

For information of this Cisco CFP-100G-LR4 10-2549-02, please vist Cisco website:

https://www.cisco.com/c/en/us/products/collateral/interfaces-modules/transceiver-modules/data_sheet_c78-633027.html

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