

Cisco SFP-10-25G-LR-I Datasheet



Cisco SFP-10/25G-LR-I 10/25GBASE-LR SFP28 Module for SMF, Industrial Temp

SFP-10-25G-LR-I

The Cisco 25GBASE SFP28 (Small Form-Factor Pluggable) portfolio offers customers a wide variety of high-density and low-power 25 Gigabit Ethernet connectivity options for data center and high-performance computing networks applications. The 25G Modules are based on SFP28 form factor.

Features and benefits of Cisco 25G Modules

- Interoperable with other IEEE-compliant 25G interfaces where applicable
- Certified and tested on Cisco SFP28 ports for superior performance, quality, and reliability
- High-speed connectivity compliant to IEEE 802.3by and IEEE 802.3cc

Cisco SFP-10/25G-LR-I

The Cisco 10/25GBASE-LR Module supports a link length of 10 kilometers on standard Single-Mode Fiber (SMF) G.652 at both 10G and 25G. The module requires RS-FEC on the host ports for full reach operation at 25G. This module has an industrial temperature range. This module also supports CPRI datarates options 7, 8, 9 and 10.

In some applications using BASE-R FEC the module can support 3.5km and without FEC it can support 1.5km, depending on fiber quality.

Specifications

- Product Number: SFP-10/25G-LR-I
- Description: Cisco 10/25GBASE-LR SFP28 Module for SMF, Industrial Temp
- Connectors: Dual LC/PC connector
- Cable Type: SMF
- Wavelength: 1310nm
- Cable Distance: 10km
- Transmit Power (dBm):
 - 10G: -6.7 to +0.5
 - 25G: -5.5 to +2.0
- Receive Power (dBm):
 - 10G: -15.9 to +0.5
 - 25G: -14.8 to +2.0
- Transmit and Receive Wavelength (nm):
 - 10G: 1260 to 1355

 - 25G: 1295 to 1325

- Operating temperature range: Industrial temperature range: -40 to 85°C (-40 to 185°F)
- Storage temperature range: -40 to 85°C (-40 to 185°F)
- Pull Tab Color: Blue
- Max Power Consumption: 1.3W

Platform support

Cisco SFP-10/25G-LR-I is supported on a wide range of Cisco equipment.

- Cisco N9K-C92348GC-X
- Cisco N540X-ACC-SYS
- Cisco NCS-5501-SE
- Cisco N9K-C93180YC-FX
- Cisco C9500-48Y4C
- Cisco N9K-C92160YC-X
- Cisco N9K-X97160YC-EX
- Cisco N540-ACC-SYS
- Cisco NCS-5501
- Cisco N9K-C93180YC-EX
- Cisco C9500-24Y4C
- Cisco N9K-X96136YC-R

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