

Cisco GLC-FE-100LX-RGD Datasheet



Cisco GLC-FE-100LX-RGD 100BASE-LX10 Rugged SFP for Fast Ethernet SFP Ports

GLC-FE-100LX-RGD

The Cisco 100BASE-X Small Form-Factor Pluggable (SFP) device is a hot-swappable input/output device that plugs into Fast Ethernet ports, dual-rate Fast/Gigabit Ethernet ports, or Gigabit Ethernet ports of a Cisco switch or router, linking the port with the fiber cabling network.

Main features include the following:

- Hot-swappable when deployed, the switch or router does not have to reboot
- Supports the “pay-as-you-populate” model
- Interchangeable with other 100BASE-X SFPs on the same line card
- Supports the Cisco quality ID feature that enables the switch or router to identify whether or not the SFP is a Cisco qualified SFP
- Optically interoperable with respective 100BASE-X Ethernet interfaces on the same link

Cisco 100BASE-LX10 SFP

The Cisco 100BASE-LX10 SFP operates on ordinary single-mode fiber-optic (SMF) link spans up to 10 km long. GLC-

FE-100LX-RGD modules operate in Fast Ethernet or dual-rate Fast/Gigabit Ethernet ports of Cisco Industrial Ethernet and SmartGrid switches and routers. These modules are interoperable with industrywide interfaces compliant to the IEEE 100BASE-LX10 standard.

Specifications

- Product Number: GLC-FE-100LX-RGD
- SFP Type: 100BASE-LX10
- Connectors: Dual LC connector
- Wavelength: 1310nm
- Fiber Type: SMF
- Cable Distance: 10 km (32,810 ft)
- Transmit (dBm)
 - Maximum: -8
 - Minimum: -15
- Receive (dBm)
 - Maximum: -8
 - Minimum: -28
- Dimensions (H x W x D): 8.5 x 13.4 x 56.5 mm
- Operating temperature range: Industrial temperature range (IND): -40 to 85°C (-40 to 185°F)
- Storage temperature range: -40 to 85°C (-40 to 185°F)
- Power consumption: up to 1W per port

Platform Support

- ME3400

- Catalyst 2960-X Series
- IE2000 Series - IE-2000-16TC-L
- IE2000 Series - IE-2000-16TC-G-X
- IE2000 Series - IE-2000-16TC-G-N

- IE2000 Series - IE-2000-16TC-G-L
- IE3000 Series Switch - IE-3000-4TC
- IE2000 Series - IE-2000-16TC-G-E
- IE2000 Series - IE-2000-8TC-L
- IE3010 Series Switch - IE-3010-16S-8PC
- IE2000 Series - IE-2000-8TC-B
- IE3000 Series Switch - IE-3000-8TC
- IE2000 Series - IE-2000-16TC-B
- Catalyst 4948-E Series - WS-X4993
- IE2000 Series - IE-2000-4TS-L
- 2500 Connected Grid Switch Series - CGS-2520-24TC
- 2500 Connected Grid Switch Series - CGS-2520-16S-8PC
- 2000 Connected Grid Router Series - CGR 2010
- Catalyst 3750 Series
- IE2000 Series - IE-2000-4TS-B

Regulatory and Standards Compliance

Safety

- Laser Class 1 21CFR1040 LN#50 7/2001
- Laser Class I IEC 60825

Standards

- IEEE 802.3u
- IEEE 802.3z
- IEEE 802.3ah
- GR-20-CORE: Generic Requirements for Optical Fiber and Optical Fiber Cable
- GR-326-CORE: Generic Requirements for Single-Mode Optical Connectors and Jumper Assemblies
- GR-1435-CORE: Generic Requirements for Multifiber Optical Connectors

- RoHS 5

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