

Cisco GLC-FE-100FX-RGD Datasheet



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

GLC-FE-100FX-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-FX SFP

The Cisco 100BASE-FX SFP operates on ordinary multimode fiber-optic (MMF) link spans up to 2 kilometers (km) long.

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

Specifications

- Product Number: GLC-FE-100FX-RGD
- SFP Type: 100BASE-FX
- Connectors: Dual LC connector
- Wavelength: 1300nm
- Fiber Type: MMF
- Cable Distance: 2 km (6,562 ft)
- Transmit (dBm)
 - Maximum: -14
 - Minimum: -20
- Receive (dBm)
 - Maximum: -14
 - Minimum: -31
- 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-2000-8TC-L
- 2500 Connected Grid Switch Series - CGS-2520-16S-8PC

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