Cisco GLC-FE-100FX Datasheet

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

GLC-FE-100FX

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 modules operate in Fast Ethernet or dual-rate Fast/Gigabit Ethernet ports of Cisco switches and routers.

Specifications

- Product Number: GLC-FE-100FX
- 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: Extended temperature range (EXT): -5 to 85°C (23 to 185°F)
- Storage temperature range: -40 to 85°C (-40 to 185°F)
- Power consumption: up to 1W per port

Platform Support

- 1900 Series Integrated Services Router - EHWIC-1GE-SFP-CU
- ME 3400 - ME-3400G-12CS-A
- Catalyst Express 500 - WS-CE500-24PC
- Catalyst 2960-S Series - WS-C2960S-48LPS-L
- Catalyst 2960-S Series - WS-C2960S-48TS-L
- ME 3400 - ME-3400G-2CS-A
- Catalyst 3560-C Series - WS-C3560CG-8PC-S
- Catalyst 2960 Series - WS-C2960-48TC-L

- ME 3400 - ME-3400-24TS-A
- IE3010 Series Switch - IE-3010-16S-8PC
- ME 3400 - ME-3400-24TS-D
- 1921 Series Router EHWC-1GE-SFP-CU
- Catalyst 2960 Series - WS-C2960-8TC-L
- Catalyst Express 500 - WS-CE500G-12TC
- Catalyst 2960-X Series - WS-C2960X-18TS-LL
- ME 3400 - ME-3400EG-2CS-A
- Catalyst 3560 Series - WS-C3560-8PC-S
- ME 3400 - ME-3400E-24TS-M
- IE2000 Series - IE-2000-16TC-L
- Catalyst 2960 Series - WS-C2960-48TC-S
- Catalyst 3560-C Series - WS-C3560CG-8TC-S
- Catalyst 6500 Series - WS-X6148-FE-SFP
- Catalyst Express 520 - WS-CE520-24PC-K9
- Catalyst 2960-S Series - WS-C2960S-24TS-L
- Catalyst 2960 Series - WS-C2960-24TC-L
- Catalyst 4500 Series - WS-X4248-FE-SFP
- Catalyst 2960-C Series - WS-C2960C-8PC-L
- IE2000 Series - IE-2000-16TC-G-E
- Catalyst 3560-C Series - WS-C3560C-8PC-S
- ME 3400 - ME-3400EG-12CS-M
- Catalyst 3750 Series
- 7600 Series Router - WS-X6148-FE-SFP
- ME 3400 - ME-3400G-12CS-D
- ME 3800X - ME-3800X-24FS-M (client ports)
- Catalyst Express 520 - WS-CE520G-24TC-K9
- IE2000 Series - IE-2000-8TC-B
- IE3000 Series Switch - IE-3000-4TC
- ME 2400 - ME-2400-24TS-D
- Catalyst 3560-C Series - WS-C3560C-12PC-S
- Catalyst 2960 Series - WS-C2960G-24TC-L
- 2900 Series Integrated Services Router - HWIC-1GE-SFP
- Catalyst 2960-S Series - WS-C2960S-24TS-S
- Catalyst 2960+ Series - WS-C2960+24TC-S
- Catalyst 4948-E Series - WS-X4993

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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