Cisco GLC-GE-100FX Datasheet

Cisco GLC-GE-100FX 100BASE-FX SFP for Gigabit Ethernet SFP Ports

GLC-GE-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-GE-100FX modules operate in Gigabit Ethernet ports of Cisco switches and routers. All these modules are interoperable with industrywide interfaces compliant to the IEEE 100BASE-FX standard.

Specifications

- Product Number: GLC-GE-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: Commercial temperature range (COM): 0 to 70°C (32 to 158°F)
- Storage temperature range: -40 to 85°C (-40 to 185°F)
- Power consumption: typically consume 1.5W per port (up to 1.7W)

Platform Support

- ASR 9000 series Aggregation Services Router-A9k-40GE-B

- Catalyst 3850 Series - 3850-24P-L
- Catalyst Express 520 - WS-CE520-24PC-K9
- ASR 1000 Series Aggregation Services Router - ASR1006 - SPA-10X1GE-V2

- Catalyst 3850 Series - 3850-48F-L
- 2900 Series Integrated Services Router - SM-D-ES3G-48-P
- Catalyst 3560-E Series - WS-C3560E-48TD
- ME 3400 - ME-3400G-12CS-D
- Catalyst 3750 Series - WS-C3750G-24TS
- Catalyst 2960-S Series - WS-C2960S-48TS-S
- Catalyst 3850 Series - 3850-48P-S
- ASR 1000 Series Aggregation Services Router - ASR1006 - SPA-5X1GE-V2
- Catalyst 2960 Series - WS-C2960G-48TC-L
- Catalyst 3750 Series - WS-C3750V2-24PS
- Catalyst 3750 Metro Series - ME-C3750-24TE-MD
- Catalyst 3560 Series - WS-C3560V2-24PS
- 3900 Series Integrated Services Router - Cisco 3925
- ASR 1000 Series Aggregation Services Router - ASR1013 - SPA-5X1GE-V2
- 1900 Series Integrated Services Router - EHWIC-1GE-SFP-CU
- 3900 Series Integrated Services Router - SM-D-ES3-48-P
- Catalyst 3750-X Series - WS-C3750X-24T-S
- Catalyst 3750 Series - WS-C3750G-48PS
- Catalyst 3560 Series - WS-C3560-48TS
- ASR 1000 Series Aggregation Services Router - ASR1002 - SPA-10X1GE-V2
- Catalyst 3750-X Series - WS-C3750X-48PF
- 1941 Series Router HWC-1GE-SFP
- ASR 9000 Series Aggregation Services Router - A9K-2T20GE
- Catalyst 3850 Series - 3850-48T-S
- Catalyst 3750 Series - WS-C3750-24FS-S
- 3900 Series Integrated Services Router - Cisco 3945E
- Catalyst 3560 Series - WS-C3560-24TS
- Catalyst 2960+ Series - WS-C2960+48PST-L
- Catalyst 3750-X Series - WS-C3750X-24P-S
- Catalyst 3560-X Series - WS-C3560X-48T
- ASR 1000 Series Aggregation Services Router - Cisco ASR1001 - SPA-2X1GE-V2
- ASR 1000 Series Aggregation Services Router - ASR1002 - SPA-5X1GE-V2
- 892F Series Wireless Integrated Services Router - CISCO892F-K9
- Catalyst 3850 Series - 3850-48F-S
- Catalyst 3750 Series - WS-C3750-48PS
- Catalyst C2960-X Series WS-C2960X-48TS-L
- ASR 1000 Series Aggregation Services Router - ASR1006 - SPA-2X1GE-V2

- ASR 1000 Series Aggregation Services Router - ASR1004 - SPA-5X1GE-V2
- Catalyst 3750-E Series - WS-C3750E-48PD
- Catalyst 3750-X Series - WS-C3750X-48T-S

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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