

Cisco XFP-10GER-192IR+ Datasheet



Cisco XFP-10GER-192IR+ Multirate 10GBASE-ER/-EW and OC-192/STM-64 IR-2 XFP Module for SMF

XFP-10GER-192IR+

The Cisco XFP Module offers customers a variety of 10 Gigabit Ethernet and Packet-over-SONET/SDH (POS) connectivity options for data center, enterprise wiring closet, and service provider transport applications.

Main features of the Cisco XFP Module include:

- Supports 10GBASE Ethernet and OC-192/STM-64 data rates
- Hot-swappable input/output device plugs into a XFP port of a Cisco Systems® router to link the port with the network
- Provides flexibility of interface choice
- Supports “pay-as-you-populate” model
- Supports the digital optical monitoring capability
- Supports the Cisco quality identification (ID) feature that helps enable a Cisco switch or router to identify whether the module is a Cisco certified and tested XFP
- Supports optical interoperability with respective Cisco 10GBASE XENPAK and X2, and SFP+ modules on the same link

Cisco Multirate 10GBASE-ER, 10GBASE-EW and OC-192/STM-64 IR-2 XFP Module for SMF

The multirate XFP supports both 10GBASE-ER and 10GBASE-EW Ethernet applications and OC-192/STM-64 Intermediate Reach (IR-2) POS applications. Cisco offers both common and industrial temperature range products.

Specifications

- Product Number: XFP-10GER-192IR+
- Description: Cisco Multirate 10GBASE-ER/-EW and OC-192/STM-64 IR-2 XFP Module for SMF
- Connectors: Dual LC/PC connector
- Wavelength: 1550nm
- Cable Type: SMF
- Cable Distance: 40km
- Transmit Power (dBm):
 - Maximum: +4.0 @ 10GBASE-ER/-EW 1550-nm SMF, +2.0 @ OC-192/STM-64 IR-2 1550-nm SMF
 - Minimum: -4.7 @ 10GBASE-ER/-EW 1550-nm SMF, -1.0 @ OC-192/STM-64 IR-2 1550-nm SMF
- Receive Power (dBm):
 - Maximum: -1.0 @ 10GBASE-ER/-EW 1550-nm SMF, +2.0 @ OC-192/STM-64 IR-2 1550-nm SMF
 - Minimum: -15.8 @ 10GBASE-ER/-EW 1550-nm SMF, -14.0 @ OC-192/STM-64 IR-2 1550-nm SMF
- Transmit Wavelength (nm): 1530 to 1565
- Receive Wavelength (nm): 1260 to 1565
- Dimensions (L x W x H): 71 x 18.5 x 8.5 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 (W): 3.5

Platform support

Cisco XFP modules are supported on Cisco switches and routers.

- Cisco ASR 9000 A9K-2T20GE-E
- Cisco 7600 76-ES+XT-4TG3C
- Cisco ASR 9000 A9K-MPA-4X10GE
- Cisco 7600-ES20-10G3CXL
- Cisco CRS 14X10GBE-WL-XFP
- Cisco SCE8000-2X10GE-E
- Cisco ME-3600X-24CX-M
- Cisco SPA-OC192POS-XFP
- Cisco 7600 76-ES+XC-20G3CXL
- Cisco ASR 9000 A9K-MPA-2X10GE
- Cisco ASR 9000 A9K-2T20GE-B
- Cisco ASR 903 A900-IMA1X
- Cisco SPA-1X10GE-L-V2
- Cisco 7600-ES+4TG3CXL
- Cisco 7600 76-ES+XT-4TG3CXL
- Cisco ASR 9000 A9K-8T/4-L
- Cisco 7600-ES20-10G3C
- Cisco SCE8000-4X10GE-E
- Cisco ASR 9000 A9K-8T-E
- Cisco CRS 20X10GBE-WL-XFP
- Cisco 7600-ES+2TG3CXL
- Cisco ASR 9000 A9K-8T-L
- Cisco ASR 9000 A9K-4T-B
- Cisco 7600-ES+4TG3C
- Cisco ASR 9000 A9K-2T20GE-L
- Cisco 7600 76-ES+XC-40G3CXL
- Cisco 7600-ES+2TG3C
- Cisco CRS 4-10GBE-WL-XFP
- Cisco 7600 76-ES+T-2TG
- Cisco ASR 9000 A9K-4T-E
- Cisco ASR 9000 A9K-8T-B
- Cisco ASR 9000 A9K-4T-L
- Cisco 7600 76-ES+T-4TG
- Cisco 7600 76-ES+XT-2TG3C
- Cisco 7600 76-ES+XC-20G3C
- Cisco ASR 9000 A9K-8T/4-B
- Cisco 7600 76-ES+XC-40G3C

- Cisco CRS 8-10GBE-WL-XFP
- Cisco CRS 2-10GE-WL-FLEX
- Cisco ME4600-UMX-4x10GE
- Cisco 7600 76-ES+XT-2TG3CXL
- Cisco SPA-1X10GE-WL-V2
- Cisco ASR 9000 A9K-8T/4-E

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