

# Cisco X2-10GB-ER Datasheet



Cisco X2-10GB-ER 10GBASE-ER X2 Module for SMF

X2-10GB-ER

The Cisco 10GBASE X2 modules offer customers a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, and service provider transport applications.

Main features of Cisco 10GBASE X2 modules include:

- Support 10GBASE Ethernet
- Hot-swappable input/output device plugs into an Ethernet X2 port of a Cisco switch or router to link the port with the network
- Provides flexibility of interface choice
- Supports “pay-as-you-populate” model
- Supports the Cisco quality identification (ID) feature that enables a Cisco switch or router to identify whether the module is certified and tested by Cisco
- Has optical interoperability with respective 10GBASE Xenpak, 10GBASE XFP and 10GBASE SFP+ modules on the same link

Cisco X2-10GB-ER

The Cisco 10GBASE-ER Module supports a link length of up to 40 kilometers on standard single-mode fiber (SMF, G.652).

## Specifications

- Product Number: X2-10GB-ER
- Description: Cisco 10GBASE-ER X2 Module for SMF
- Connectors: Dual SC/PC connector
- Wavelength: 1550nm
- Cable Type: SMF
- Cable Distance: 40km
- Transmit Power (dBm):
  - Maximum: 4.0
  - Minimum: -4.7
- Receive Power (dBm):
  - Maximum: -1.0
  - Minimum: -15.8
- Transmit Wavelength Range (nm): 1530 to 1565
- Receive Wavelength Range (nm): 1260 to 1565
- Dimensions (D x W x H): 91mm x 36mm x 13.46mm
- 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: 4W

## Platform Support

- Cisco X2 modules are supported on Cisco switches and routers.
- Cisco 7600 WS-X6708-10G-3C
- Cisco 6500 WS-X6708-10G-3CXL
- Cisco 6500 WS-X6708-10G-3C

- Cisco WS-C3560E-48TD
- Cisco 6500 VS-S720-10G-3CXL
- Cisco 3100 WS-CBS3130X-S
- Cisco 6500 WS-X6716-10G-3CXL
- Cisco WS-C4900M
- Cisco 4900 WS-C4948-10GE
- Cisco 4500 WS-X45-SUP6-E
- Cisco 4500 WS-X4013+10GE
- Cisco WS-C3750E-48PDF
- Cisco WS-C3750E-48TD
- Cisco 6500 VS-S720-10G-3C
- Cisco WS-C3560E-48PD
- Cisco 4500 WS-X4606-X2-E
- Cisco 4900 ME-4924-10GE
- Cisco 6500 WS-X6708-10G-3CXL
- Cisco 6500 WS-X6716-10G-3CXL
- Cisco WS-C3560E-24PD
- Cisco 6500 VS-S720-10G-3C
- Cisco WS-X4904-10GE
- Cisco WS-C3560E-24TD
- Cisco 7600 RSP720-10GE
- Cisco 4500 WS-X4516-10GE
- Cisco WS-C3750E-48PD
- Cisco WS-C3750E-24PD
- Cisco WS-C3560E-12SD
- Cisco WS-C3750E-24TD
- Cisco 3100 WS-CBS3120X-S
- Cisco 6500 WS-X6716-10G-3C
- Cisco 4500 WS-X45-SUP6L-E
- Cisco WS-X4908-10GE
- Cisco 3100 WS-CBS3110X-S-I
- Cisco 6500 WS-X6716-10G-3C
- Cisco 6500 WS-X6708-10G-3C
- Cisco WS-C3560E-48PDF
- Cisco 4900 WS-C4928-10GE
- Cisco 6500 VS-S720-10G-3CXL
- Cisco 7600 WS-X6708-10G-3CXL

- Cisco Nexus 7000 N7K-M108X2-12L
- Cisco WS-C3560E-12D
- Cisco RFGW-X4516-10GE

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