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Overview

The Cisco® CXP 100GBASE modules offer customers a wide variety of high-density 100Gbps connectivity solutions for short-reach data center networking, high-performance computing networks, enterprise core aggregation, and service provider transport applications.

Quick Specification

Product Code	CXP-100G-SR12
Description	100GBASE-SR10 CXP Module for MMF
Dimensions	13.3 x 24 x 62 mm (0.52 x 0.94 x 2.44 in)
Wavelength (nm)	850
Cable Type	MMF
Core Size (Microns)	50.0 50.0
Modal Bandwidth (MHz km)	2000 (OM3) 4700 (OM4)
Cable Distance	100m 150m

Product Details:

The Front Panel:



Cisco 100GBASE CXP Modules provide these highlights:

Primary features of Cisco CXP 100GBASE modules include:

- Support for 100 Gigabit Ethernet
- Hot-swappable input/output device that plugs into a Cisco CXP-module-based switch, router, or optical platform port
- Flexibility of interface choice
- Support for a "pay-as-you-grow" model
- Support for digital optical monitoring (DOM)
- CXP-100G-SR10 and CXP-100G-SR12 are both interoperable with any IEEE-compliant 100GBASE-SR10 form factors
- Support for the Cisco quality identification (ID) feature, which enables a Cisco platform to identify whether the module is certified and tested by Cisco
- Easy-to-use pull-release handle that is color coded for reach identification
- Capable of supporting 120Gb/s by utilizing all 12 optical lanes for high-density interconnect applications
- CXP-100G-SR10 supports breakout applications; each lane complies with 10GBASE-SR requirements and OTN rates up to 11.25Gb/s
- CXP-100G-SR10 and CXP-100G-SR12 both support breakout applications for 40GBASE-SR4
- Operating distance of maximum 100 meters over OM3 fibers or maximum 150 meters over OM4 fibers
- Power consumption of maximum 3.5
- Operating case temperature of 0°C to 70°C
- MPO-24 optical receptacle

Compare To Similar Items:

Parameters	CXP-100G-SR10=	CXP-100G-SR12
Description	100GBASE-SR10 CXP Module for MMF compliant to 10GBASE-SR	100GBASE-SR10 CXP Module for MMF
Dimensions	13.3 x 24 x 62 mm (0.52 x 0.94 x 2.44 in)	13.3 x 24 x 62 mm (0.52 x 0.94 x 2.44 in)
Type	100GBASE-SR10 10GBASE-SR	100GBASE-SR10
Transmit Power (dBm)	Max:-1.0 per lane Min:-7.6 per lane	Max:2.5 per lane Min:-7.6 per lane
Receive Power (dBm)	Max:2.4 per lane Min:-9.5 per lane	Max:2.4 per lane Min:-9.5 per lane
Transmit and Receive Center Wavelength Range (nm)	12 lanes: 840 to 860 nm	12 lanes: 840 to 860 nm

Get more information:

Do you have any question about the CXP-100G-SR12?

Contact us now via e-mail: info@hi-network.com

Specific Data Sheet:

Description	100GBASE-SR10 CXP Module for MMF
Dimensions	13.3 x 24 x 62 mm (0.52 x 0.94 x 2.44 in)
CXP Port Cabling Specifications	

CXP-100G-SR12 Datasheet



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Wavelength (nm)	850
Cable Type	MMF
Core Size (Microns)	50.0 50.0
Modal Bandwidth (MHz*km)***	2000 (OM3) 4700 (OM4)
Cable Distance*	100m 150m**
<p>* Minimum cabling distance for -LR4 modules is 2m, according to the IEEE 802.3ba. ** Considered an engineered link with maximum 1dB allocated to connectors and splice loss. *** Specified at transmission wavelength.</p>	
Optical Transmit and Receive Specifications	
Type	100GBASE-SR10
Transmit Power (dBm)*	Max:2.5 per lane Min:-7.6 per lane
Receive Power (dBm)*	Max:2.4 per lane Min:-9.5 per lane
Transmit and Receive Center Wavelength Range (nm)	12 lanes: 840 to 860 nm
<p>* Transmitter and receiver power are in averages, unless specified.</p>	
Environmental Conditions and Power Requirements	
Storage temperature	-40 to 185°F (-40 to 85° C)
CXP operating temperature	0 to 70°C (32 to 158°F)
CXP power consumption	At 70°C: <3.5W maximum



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