

SFP-10G-LR Datasheet

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Overview

Cisco SFP-10G-LR module is the single-mode 10G fiber optical transceiver, the Cisco 10G Base-LR Module supports a link length of 10 kilometers on standard single-mode fiber (SMF, G.652) and SFP-10G-LR SFP Plus optical transceiver from Solid-Optics offers up to 10Km link length on standard single-mode fiber.

The Features

- ☆ Industry's smallest 10G form factor for greatest density per chassis
- ☆ Hot-swappable input/output device that plugs into an Ethernet SFP+ port of a Cisco switch
- ☆ Supports "pay-as-you-populate" model for investment protection and ease of technology migration
- ☆ Digital optical monitoring capability for strong diagnostic capabilities
- ☆ Optical interoperability with 10GBASE XENPAK, 10GBASE X2, and 10GBASE XFP interfaces on the same link
- ☆ Cisco quality identification (ID) feature enables a Cisco platform to identify whether the module is certified and tested by Cisco

The Supported Platforms

Figure 1. The SFP-10G-LR can be supported in a switch SFP slot.



Table 1. Cisco SFP+ modules are supported on a wide range of Cisco switches and routers:

Supported Platforms	Supported Platforms
Cisco ASR 1000 Series Router	ASR 901
Cisco Catalyst 2960-S Series Switches	ASR 9000v Series Router
Cisco Catalyst 2960-X Series Switches	CRS Router
Cisco Catalyst 2960-XR Series Switches	MDS 9000
Cisco Catalyst 3560 Series Switches	ME 4500
Cisco Catalyst 3560-E Series Switches	ME 4900NCS 6000 Series Router
Cisco Catalyst 3560-X Series Switches	SCE 8000

Cisco Catalyst 3850 Series Switches	Shared Port Adapter (SPA)
Cisco ASR 903 router	Catalyst 2350 and 2360 Series Switches
Cisco ASR 9000 Series Router	Catalyst 3100 Blade Switches
Cisco 7600 Series Router	Nexus 2000 and 4000 Series Switches
Cisco Catalyst 4500 and 4500-X Series Switches	Nexus 9000 and 9500 (modular) Series Switches
Cisco Catalyst 3750 3750-E 3750-X Series Switches	RF Gateway Series
Cisco Nexus 3000 Series Switches	Unified Computing System (UCS) Switches

Compare to Similar Items

Table 2. SFP-10G-SR and SFP-10G-LR Port Cabling Specifications:

Cisco SFP+	Wavelength (nm)	Cable Type	Core Size (Microns)	Modal Bandwidth (MHz/km)	Cable Distance
SFP-10G-SR	850	MMF	62.5 62.5 50.0 50.0 50.0 50.0	160 (FDDI) 200 (OM1) 400 500 (OM2) 2000 (OM3) 4700 (OM4)	26m 33m 66m 82m 300m 400m
SFP-10G-LR	1310	SMF	G.652	-	10km

Get more information

Do you have any question about the SFP-10G-LR?

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Specification

SFP-10G-LR Specifications	
Wavelength (nm)	1310
Cable Type	SMF
Core Size (Microns)	G.652
Modal Bandwidth (MHz*km)	-
Cable Distance	10KM
Transmit and Receive Wavelength (nm)	1260 to 1355
Bail Latch Color	Blue
Power Consumption (W)/td>	1
Operating Temperature Range	-
Transmit Power (dBm)	Maximum: 0.5 Minimum: -8.2
Receive Power (dBm)	Maximum: -0.5 Minimum: -14.4

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