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## Overview

The Cisco® 100GBASE CFP modules offer customers 100 Gigabit Ethernet connectivity options for data center networking, enterprise core aggregation, and service provider transport applications.

## Quick Specification

Product Code	CFP-100G-ER4=
Description	Cisco 100GBASE-ER4 CFP Module for SMF (<40 km)
Dimensions	144.8 x 82 x 13.6 mm
Wavelength (nm)	1310 band (LAN-WDM)
Fiber Type	SMF
Core Size (microns)	G.652
Modal Bandwidth (MHz-km)	\
Max Distance	40 km
Digital Optical Monitoring (DOM)	Yes

## Product Details:

### The Front Panel:



Cisco 100GBASE CFP Modules provide these highlights:

- Supports 100GBASE Ethernet
- Hot-swappable input-output device that plugs into an Ethernet CFP port of a Cisco switch or router
- Provides flexibility of interface choice
- Supports “pay-as-you-populate” model
- Supports digital optical monitoring (DOM)
- Supports the Cisco quality identification (ID) feature that enables a Cisco switch to identify whether the module is certified and tested by Cisco

## Compare To Similar Items:

Parameters	<a href="#">CFP-100G-ER4=</a>	<a href="#">CFP-100G-LR4=</a>	<a href="#">CFP-100G-SR10=</a>
Description	Cisco 100GBASE-ER4 CFP Module for SMF (<40 km)	Cisco 100GBASE-LR4 CFP Module for SMF (<40 km)	Cisco 100GBASE-SR10 CFP Module for MMF (<40 km)
Dimensions	144.8 x 82 x 13.6 mm	144.8 x 82 x 13.6 mm	144.8 x 82 x 13.6 mm
Wavelength (nm)	1310 band (LAN-WDM)	1310 band (LAN-WDM)	850
Fiber Type	SMF	SMF	MMF
Core Size (microns)	G.652	G.652	50 50
Modal Bandwidth (MHz-km)	\	\	2000 (OM3) 4700 (OM4)
Max Distance	40 km	10 km	100 m 150 m
Digital Optical Monitoring (DOM)	Yes	Yes	NO

Get more information:

Do you have any question about the CFP-100G-ER4=?

Contact us now via e-mail: [info@hi-network.com](mailto:info@hi-network.com)

## Specific Data Sheet:

Description	Cisco 100GBASE-ER4 CFP Module for SMF (<40 km)
Dimensions	144.8 x 82 x 13.6 mm
Wavelength (nm)	1310 band (LAN-WDM)
Fiber Type	SMF
Core Size (microns)	G.652
Modal Bandwidth (MHz-km)	\
Max Distance	40 km



Digital Optical Monitoring (DOM)	Yes
Average Transmit Power (dBm)	Max:2.9 per lane Min:-2.9 per lane
Average Receive Power (dBm)	Max:4.5 per lane Min:-20.9 per lane
Transmit and Receive Wavelength	Four lanes, 1295.6 nm, 1300.1 nm, 1304.6 nm, and 1309.1 nm
Environmental Conditions and Power Requirements	
Operating temperature	32 and 158°F (0 to 70°C)
Storage temperature	-40 to 185° F (-40 to 85° C)
Maximum power consumption	24 W

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