

# 100BASE-FX SFP SGMII 1310nm 2km

## POPULAR COMPATIBILITY OPTIONS

Vendor	Part Code
Cisco	GLC-GE-100FX
Juniper	EX-SFP-1FE-FX-SGMII
Juniper	JX-SFP-1FE-FX-SGMII
Brocade	E1MG-100FX-SGMII
Extreme	10063
HC3	SFP-FE-SX-MM1310-GE
HPe	J9054B-SGMII
Dell	407-BBOT-SGMII
Netgear	AFM735-SGMII

## 100BASE-FX SPECIFICATIONS

Form Factor	SFP
Data Rate	100Mbps
Tx/Rx Wavelength	1310nm
Compatible	See table on left
Reach	2km
Cable Type	MMF
Interface Type	SFP
DDM/DOM	Yes
Connector Type	Duplex-LC
Power Budget	-9.5-3dBm
Temperature Range	0-70°C
Warranty	Lifetime

75+ other vendors available



## TESTING

- Compatibility Tested: Each transceiver is tested in an original host switch for recognition (Loop back test)
- Performance Tested: Tested over an optical connection of the intended distance. Recreated in the lab using a bit fiber spool method
- 100% Testing of all Transceiver- No Batch Testing (1-10%)

## 100BASE-FX SGMII FEATURES

- SGMII (Serial Gigabit Media Independent Interface)
- Low Power usage and low Pin count
- Built-in Digital Optical Monitoring function DOM
- Built in PHY (Physical Layer) Chip
- Allows connection of Fast Ethernet Devices to Gigabit Ethernet Devices

## DESCRIPTION

This SFP transceiver is designed for 100BASE-FX applications, with built-in PHY device supporting SGMII interface (Serial Gigabit Media Independent Interface). The SGMII SFP transceiver consists of SFP part, the PHY part with both interfaced by SGMII.

The 100BASE-FX SGMII SFP module provides 100Mbps data link up to 2km on 50/125um multi-mode fibre. The SFP will auto-negotiate a 1000Mbps port to 100Mbps. In order to carry data link information between a 100/1000 PHY and an Ethernet MAC, SGMII uses a differential pair for data signals and for clocking signals. It is guaranteed to be 100% compatible with the OEM host switch, router or network interface card (NIC).

We stand behind the quality of our products and proudly offer a lifetime warranty.

