

LINKSYS®

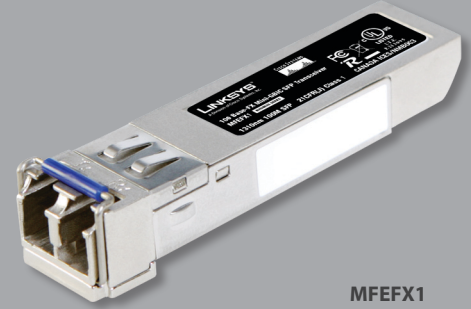
A Division of Cisco Systems, Inc.

MiniGBIC expansion module for fiber optic networking

The MFEFX1 is an easy-to-install miniGBIC (SFP) transceiver module that provides a simple way to add 100BASE-FX functionality to your Linksys switch. The module operates at a wavelength of 1310 nanometer and supports multi-mode fiber optic cabling. In a typical operating environment, it can achieve distances up to 2 km depending on the total attenuation in the fiber plant.

100BASE-FX is mainly used within a building or in small campus networks needing 100 Mbps connectivity between sites. The MFEFX1 can be used with wide variety Linksys switches to create solutions that meet the needs for a broad range of customers.

The MFEFX1 is a part of the Linksys family of miniGBIC transceiver modules. For other options, see the MFELX1, MGBSX1, MGBLH1 and MGBTX1.



MFEFX1

Supports 100 Mbps speed up to 2 km for large building and campus area networks

Integrated spring latch for easy removal

SFP MSA compliant with duplex LC connector

Part of the Linksys family of miniGBIC modules

PRODUCT DATA

100BASE-FX MiniGBIC SFP Transceiver

BUSINESS SERIES

Model: MFEFX1



Features

- 1310 nm Fabry-Perot transmitter
- Built-in spring latch for easy module removal
- Low insertion-loss duplex LC receptacle
- Low electromagnetic interference (FCC Part 15, Class B)
- Meets FDA and IEC eye safety standards
- Compatible with SFP MSA

100BASE-FX MiniGBIC SFP Transceiver

Specifications

Model	MFEFX1
Standards	SFP MSA, ITU-T G.253 Core, FDA 21CFR 1040.10,11 and IEC 60825-1,2
Connector Type	Duplex LC
Wavelength Typical (Tx)	1310 nm
Wavelength Range (Tx)	1270 nm (min) to 1380 nm (max)
Wavelength Range (Rx)	1260 nm (min) to 1570 nm (max)

Performance

Average Output Power	-20 dBm (min) to -14 dBm (max)
Extinction Ratio (Tx)	10 dB (min)
Receiver Sensitivity	-30 dBm (max)
Receiver Overload	-10 dBm (min)

Environmental

Dimensions W x H x D	0.53" x 0.33" x 2.19" (13 x 9 x 56 mm)
Unit Weight	0.63 oz. (0.018 kg)
Power	1W (max)
Certification	FCC Part15 Class B, UL, cUL, ICES-003, CB
Operating Temp.	32 to 158°F (0 to 70°C)
Storage Temp.	-40 to 185°F (-40 to 85°C)
Operating Humidity	10 to 85% noncondensing
Storage Humidity	5 to 90% noncondensing

Package Contents

- 100BASE-FX miniGBIC SFP Transceiver
- Quick Installation Guide

Minimum Requirements

- Switch with miniGBIC port

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