

100Base-FX SFP Transceiver



The MFB family consists of Small Form Factor Pluggable (SFP) transceiver modules that are specifically designed for high performance integrated duplex data link over single mode optical fiber. These transceiver modules are compliant with the SFP Multisource Agreement (MSA) and hot pluggable. These modules offer an easy way to be installed in SFP MSA compliant ports at any time without the interruption of the host equipment operation.

The MFB SFP transceivers using a long wavelength (1310nm) FP LD enable data transmission up to 2km on a multimode optical fiber and up to 60km on a single mode optical fiber.

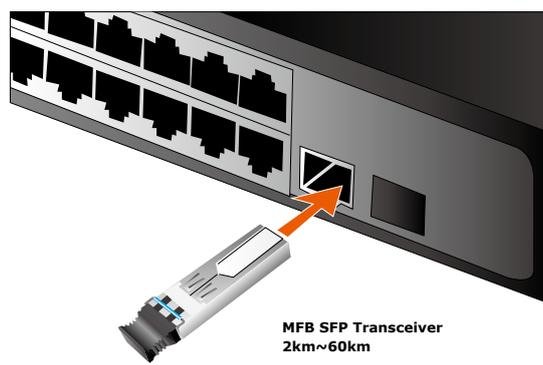
To meet the increasing demand of Industrial Ethernet fiber solution, Planet has released the MFB-T 100Base-FX transceiver series that can operate reliably in electrically harsh, climatically demanding, and wide temperature range (-40°C to 75°C) environment. The MFB-T 100Base-FX transceiver series provides easy and fast 100Base-FX connection for Planet wide temperature industrial equipment.

Applications

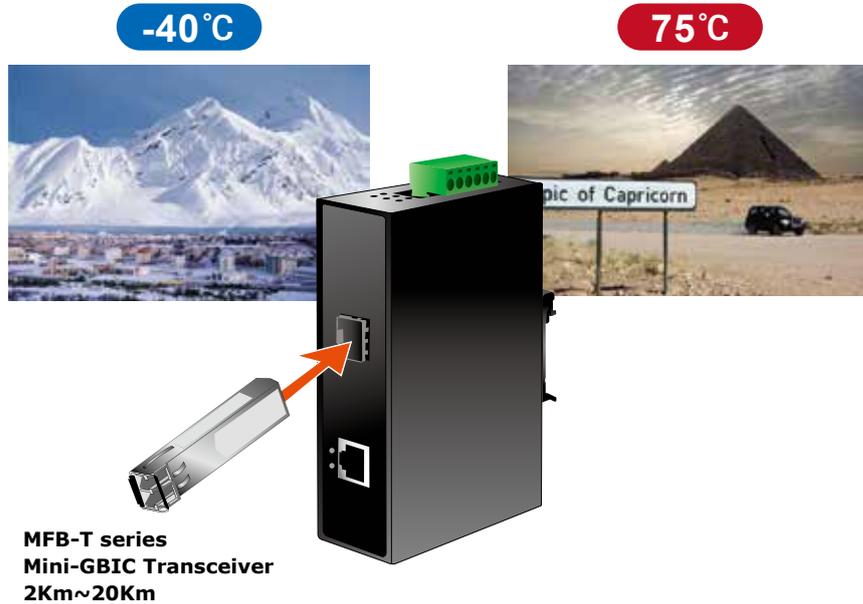
The MFB family SFP Fast Ethernet transceivers can be installed in PLANET Switch and Media Converter products with 100Base-FX SFP interface. The deployment distance can be extended from 2km (Multi-Mode, LC) up to 60 kilometers (Single-Mode, LC).

The MFB family SFP Fast Ethernet transceivers are hot-pluggable and hot-swappable. You can plug in and pull out the transceivers to / from any SFP port without having to power off the Switch / Media Converter.

- SFP Multi-Source Agreement compliant
- 125Mbps IEEE 802.3u 100Base-FX compliant
- Industry standard small form pluggable (SFP) package (for model MFB-TFX / MFB-TF20)
- 125Mbps FDDI ISO / IEC 9314-1 compliant
- Serial ID functionality support
- AC-coupled differential inputs and outputs
- Class 1 laser safety standard IEC 825 compliant
- 2km link on a multimode fiber and 20km to 60km on a single mode fiber
- Low power dissipation
- 0 to 60 degrees C operating temperature for MFB-FX / MFB-F20 / MFB-F40 / MFB-F60 / MFB-FA20 / MFB-FB20
- -40 to 75 degrees C operating temperature for MFB-TFX / MFB-TF20



The MFB-T 100Base-FX transceiver series is an ideal solution for -40°C to 75°C wide temperature industrial equipment with 100Base-FX SFP interfaces. The deployment distance can be extended from 2km (Multi-Mode, LC) up to 20km (Single-Mode, LC).



Specifications

Model	MFB-Series 100Base-FX SFP Transceiver
MFB-FX	
PHY Type	100Base-FX
Fiber Type	Multi-Mode
Connector	LC
Wavelength	1310nm
Maximum Distance	2km
Operating Temperature	0 ~ 60 degrees C
MFB-F20	
PHY Type	100Base-FX
Fiber Type	Single Mode
Connector	LC
Wavelength	1310nm
Maximum Distance	20km
Operating Temperature	0 ~ 60 degrees C
MFB-F40	
PHY Type	100Base-FX
Fiber Type	Single Mode
Connector	LC
Wavelength	1310nm
Maximum Distance	40km
Operating Temperature	0 ~ 60 degrees C
MFB-F60	
PHY Type	100Base-FX
Fiber Type	Single Mode
Connector	LC
Wavelength	1310nm
Maximum Distance	60km
Operating Temperature	0 ~ 60 degrees C

MFB-FA20	
PHY Type	100Base-BX
Fiber Type	Single Mode
Connector	WDM/ Bidi LC
Wavelength	TX: 1310nm, RX: 1550nm
Maximum Distance	20km
Operating Temperature	0 ~ 60 degrees C
MFB-FB20	
PHY Type	100Base-BX
Fiber Type	Single Mode
Connector	WDM/ Bidi LC
Wavelength	TX: 1550nm, RX: 1310nm
Maximum Distance	20km
Operating Temperature	0 ~ 60 degrees C
MFB-TFX	
PHY Type	100Base-FX
Fiber Type	Multi-Mode
Connector	LC
Wavelength	1310nm
Maximum Distance	2km
Operating Temperature	-40 ~ 75 degrees C
MFB-TF20	
PHY Type	100Base-FX
Fiber Type	Single Mode
Connector	LC
Wavelength	1310nm
Maximum Distance	20km
Operating Temperature	-40 ~ 75 degrees C

Ordering Information

MFB-FX	SFP-Port 100Base-FX Transceiver (1310nm) -2km
MFB-F20	SFP-Port 100Base-FX Transceiver (1310nm) - 20km
MFB-F40	SFP-Port 100Base-FX Transceiver (1310nm) - 40km
MFB-F60	SFP-Port 100Base-FX Transceiver (1310nm) - 60km
MFB-FA20	SFP-Port 100Base-BX Transceiver (WDM,TX:1310nm) -20km
MFB-FB20	SFP-Port 100Base-BX Transceiver (WDM,TX:1550nm) -20km
MFB-TFX	SFP-Port 100Base-FX Transceiver (1310nm) -2km (-40~75°C)
MFB-TF20	SFP-Port 100Base-FX Transceiver (1310nm) - 20km (-40~75°C)