MTB-Series 10G Module

Product Features

- Complies with the IEEE 802.3ae 10 Gigabit Ethernet Standard
- SFP+ multi-source agreement compliant
- SFF-8472 diagnostic monitoring interface for optical transceivers
- For established fiber link distance up to 300m over 50/125µm multi-mode fiber cable
- For established fiber link distance up to 60km over 9/125µm single-mode fiber cable
- Plug and Play Installation

The PLANET MTB family of 10G SFP+ fiber optic module that is designed to work with PLANET products with 10G SFP+ interface provides a high-performance 10G Ethernet network for enterprises, telecoms and ISPs. The MTB family is also well applicable for data center cloud computing. The deployment distance can be extended from 300 meters (multi-mode, LC), to up to 60 kilometers (single-mode, LC).

To meet the increasing demand of the Industrial Ethernet fiber solution, PLANET has released the MTB-T series 10GBASE-SR/LR/BX transceivers that can operate reliably in an electrically harsh, climatically demanding, and -40 to 75 degrees C operating temperature environment. The MTB-T series 10GBASE-SR/LR/BX transceivers are definitely easier and faster to connect than the 1000BASE-SX/LX/BX counterpart.
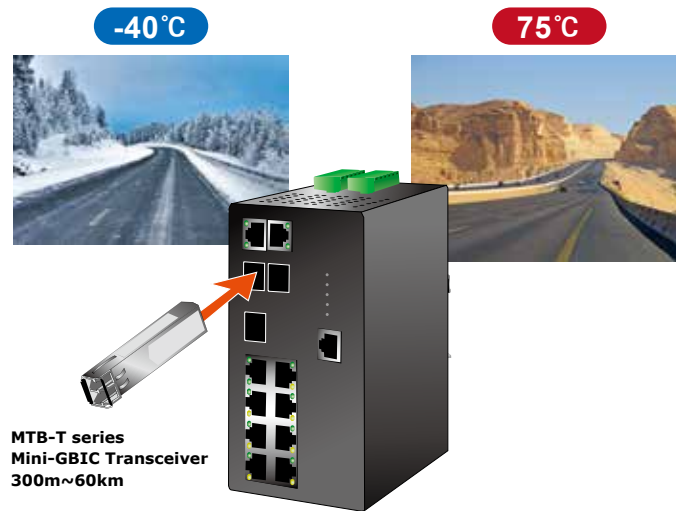
Applications

Applying 10Gbps SFP+ with 10G PCI Express Server Adapter (ENW-9801)

The 10GBASE-LR/SR mini-GBIC module can be installed into PLANET products with 10G SFP+ interface like ENW-9801 NIC card. The 10G SFP+ slots of the ENW-9801 are hot-pluggable and hot-swappable. With the ENW-9801 installed in the PC, you can plug and pull out the 10GBASE-LR/SR mini-GBIC module in and from the 10G SFP+ slot of the ENW-9801, respectively, without having to power off the PC.

MTB 10GBASE-SR/LR mini-GBIC Module 300m~60km

The MTB-T series 10GBASE-SR/LR/BX transceiver is an ideal solution for -40 to 75 degrees C wide temperature industrial equipment with 10GBASE-SR/ LR/BX SFP interfaces. The deployment distance can be extended from 300m (multi-mode, LC) to 10/20/40/60 kilometers (single-mode, LC).

-40℃

75℃

**MTB-T series
Mini-GBIC Transceiver
300m~60km**

Specifications

MTB-LR	
Package	SFP+
PHY Type	IEEE 802.3ae 10 Gigabit Ethernet Standard
Fiber Type	Single-mode
Connector	LC
Wavelength	1310nm
Maximum Distance	10km
Operating Temperature	0~60 degrees C
MTB-SR	
Package	SFP+
PHY Type	IEEE 802.3ae 10 Gigabit Ethernet Standard
Fiber Type	Multi-mode
Connector	LC
Wavelength	850nm
Maximum Distance	300m
Operating Temperature	0~60 degrees C
MTB-LA20	
Package	SFP+
PHY Type	IEEE 802.3ae 10 Gigabit Ethernet Standard
Fiber Type	Single-mode
Connector	LC
Wavelength	TX: 1270nm RX: 1330nm
Maximum Distance	20km
Operating Temperature	0~60 degrees C
MTB-LB20	
Package	SFP+
PHY Type	IEEE 802.3ae 10 Gigabit Ethernet Standard
Fiber Type	Single-mode
Connector	LC
Wavelength	TX: 1330nm RX: 1270nm
Maximum Distance	20km
Operating Temperature	0~60 degrees C
MTB-LA40	
Package	SFP+
PHY Type	IEEE 802.3ae 10 Gigabit Ethernet Standard
Fiber Type	Single-mode
Connector	LC

Wavelength	TX: 1270nm RX: 1330nm
Maximum Distance	40km
Operating Temperature	0~60 degrees C
MTB-LB40	
Package	SFP+
PHY Type	IEEE 802.3ae 10 Gigabit Ethernet Standard
Fiber Type	Single-mode
Connector	LC
Wavelength	TX: 1330nm RX: 1270nm
Maximum Distance	40km
Operating Temperature	0~60 degrees C
MTB-LA60	
Package	SFP+
PHY Type	IEEE 802.3ae 10 Gigabit Ethernet Standard
Fiber Type	Single-mode
Connector	LC
Wavelength	TX: 1270nm RX: 1330nm
Maximum Distance	60km
Operating Temperature	0~60 degrees C
MTB-LB60	
Package	SFP+
PHY Type	IEEE 802.3ae 10 Gigabit Ethernet Standard
Fiber Type	Single-mode
Connector	LC
Wavelength	TX: 1330nm RX: 1270nm
Maximum Distance	60km
Operating Temperature	0~60 degrees C
MTB-TLR	
Package	SFP+
PHY Type	IEEE 802.3ae 10 Gigabit Ethernet Standard
Fiber Type	Single-mode
Connector	LC
Wavelength	1310nm
Maximum Distance	10km
Operating Temperature	-40~75 degrees C
MTB-TSR	
Package	SFP+
PHY Type	IEEE 802.3ae 10 Gigabit Ethernet Standard
Fiber Type	Multi-mode
Connector	LC
Wavelength	850nm
Maximum Distance	300m
Operating Temperature	-40~75 degrees C

Ordering Information

MTB-LR	1-Port 10GBASE-LR SFP+ Fiber Optic Module - 10km
MTB-SR	1-Port 10GBASE-SR SFP+ Fiber Optic Module - 300m
MTB-TLR	1-Port 10GBASE-LR SFP+ Fiber Optic Module - 10km (-40~75 degrees C)
MTB-TSR	1-Port 10GBASE-SR SFP+ Fiber Optic Module - 300m (-40~75 degrees C)
MTB-LA20	1-Port 10GBASE-BX SFP+ Fiber Optic Module - 20km (TX:1270nm RX:1330nm)
MTB-LB20	1-Port 10GBASE-BX SFP+ Fiber Optic Module - 20km (TX:1330nm RX:1270nm)
MTB-LA40	1-Port 10GBASE-BX SFP+ Fiber Optic Module - 40km (TX:1270nm RX:1330nm)
MTB-LB40	1-Port 10GBASE-BX SFP+ Fiber Optic Module - 40km (TX:1330nm RX:1270nm)
MTB-LA60	1-Port 10GBASE-BX SFP+ Fiber Optic Module - 60km (TX:1270nm RX:1330nm)
MTB-LB60	1-Port 10GBASE-BX SFP+ Fiber Optic Module - 60km (TX:1330nm RX:1270nm)

MTB-Series