

1000Base-SX/LX SFP Transceiver



The MGB 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 equipments operation.

The MGB family: SFP Mini-GBIC Gigabit Ethernet modules can be installed in PLANET Switch products with SFP Mini-GBIC interface. The deployment distance can be extended from 100 meters (TP), 550 meters (Multi-Mode, LC), up to 120 kilometers (Single-Mode, LC).

To fill the increase demand of Industrial Ethernet fiber solution, Planet releases the MGB-T series 1000Base-SX/ LX transceivers that can operate reliably in electrically harsh, climatically demanding, and wide temperature range (-40°C to 75°C) environment. The MGB-T series 1000Base-SX / LX transceivers provide easy and fast 1000Base-SX / LX connection for Planet wide temperature Industrial equipments.

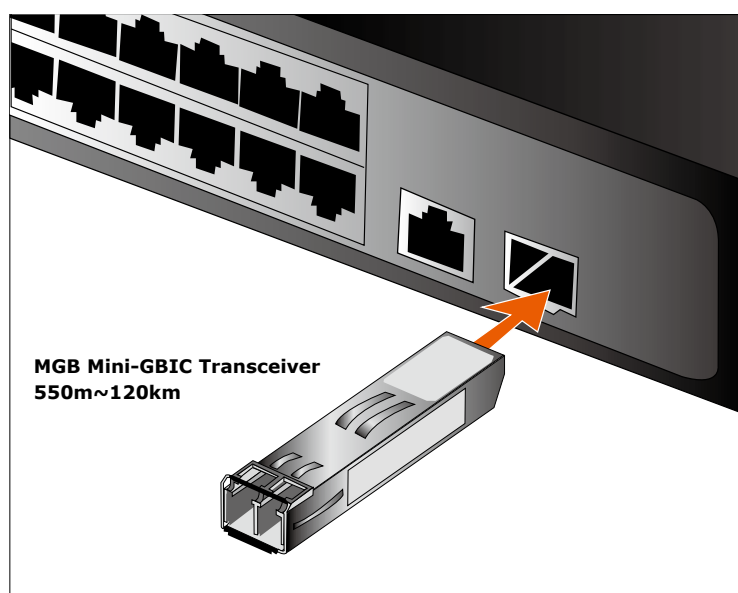
KEY FEATURES

- Comply with the IEEE 802.3ab / 802.3z Gigabit Ethernet standard
- 1 X 1000Mbps TP/ LC fiber port
- Industry standard small form pluggable (SFP) package (for model MGB-TSX / MGB-TLX / MGB-TL30 / MGB-TL70)
- Duplex LC connector
- Differential PECL inputs and outputs
- Single power supply 3.3V
- TTL signal detect indicator
- Hot Pluggable
- Class 1 laser product complies with EN 60825-1
- Plug and Play Installation
- 0 to 50 Degree C operation temperature for MGB-GT / MGB-SX / MGB-LX / MGB-L30 / MGB-L50 / MGB-L70 / MGB-L120 / MGB-LA10 / MGB-LB10 / MGB-LA20 / MGB-LB20 / MGB-LA40 / MGB-LB40
- -40 to 75 Degree C operation temperature for MGB-TSX / MGB-TLX / MGB-TL30 / MGB-TL70

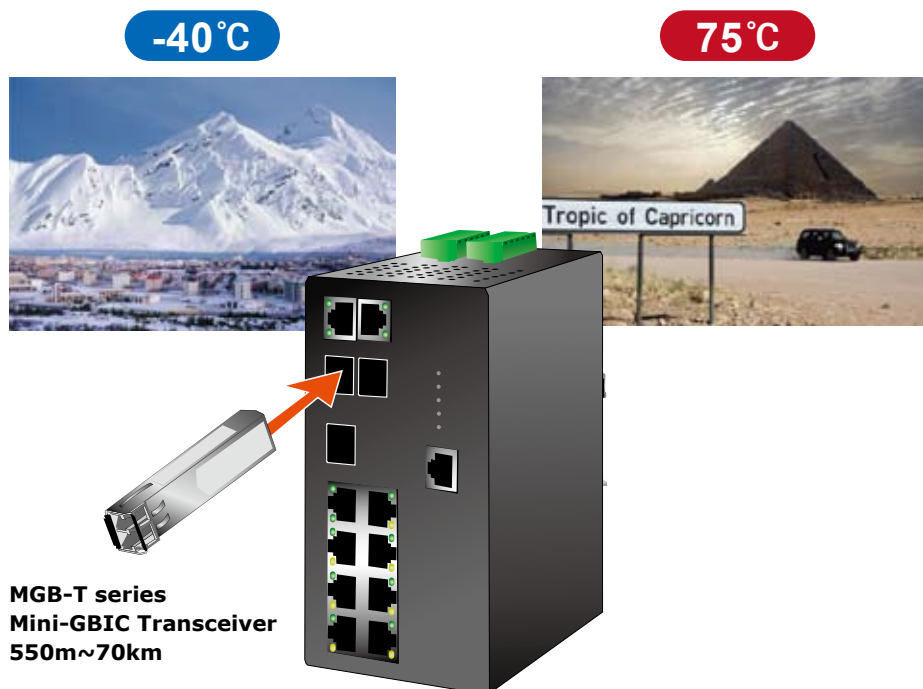
APPLICATIONS

MGB family: SFP Gigabit Ethernet module can be installed into PLANET Switch and Media Converter products with 1000Base-SX/LX SFP interface. The deployment distance can be extended from 550m (Multi-Mode, LC) up to 120 kilometers (Single-mode, LC).

The SFP 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.



The MGB-T series 1000Base-SX / LX transceivers is an ideal solution for -40°C to 75°C wide temperature Industrial equipments with 1000Base-SX / LX SFP interfaces. The deployment distance can be extended from 550m (Multi-Mode, LC) to 10 / 30 / 70 kilometers (Single-Mode, LC).



ORDERING INFORMATION

MGB-GT	SFP-Port 1000Base-T Module
MGB-SX	SFP-Port 1000Base-SX mini-GBIC module - 550m
MGB-LX	SFP-Port 1000Base-LX mini-GBIC module - 10km
MGB-L30	SFP-Port 1000Base-LX mini-GBIC module - 30km
MGB-L50	SFP-Port 1000Base-LX mini-GBIC module - 50km
MGB-L70	SFP-Port 1000Base-LX mini-GBIC module - 70km
MGB-L120	SFP-Port 1000Base-LX mini-GBIC module - 120km
MGB-LA10	SFP-Port 1000Base-LX (WDM, TX:1310nm) mini-GBIC module-10km
MGB-LB10	SFP-Port 1000Base-LX (WDM, TX:1550nm) mini-GBIC module-10km
MGB-LA20	SFP-Port 1000Base-LX (WDM, TX:1310nm) mini-GBIC module-20km
MGB-LB20	SFP-Port 1000Base-LX (WDM, TX:1550nm) mini-GBIC module-20km
MGB-LA40	SFP-Port 1000Base-LX (WDM, TX:1310nm) mini-GBIC module-40km
MGB-LB40	SFP-Port 1000Base-LX (WDM, TX:1550nm) mini-GBIC module-40km
MGB-TSX	SFP-Port 1000Base-SX mini-GBIC module - 550m (-40~75°C)
MGB-TLX	SFP-Port 1000Base-LX mini-GBIC module - 10km (-40~75°C)
MGB-TL30	SFP-Port 1000Base-LX mini-GBIC module - 30km (-40~75°C)
MGB-TL70	SFP-Port 1000Base-LX mini-GBIC module - 70km (-40~75°C)