



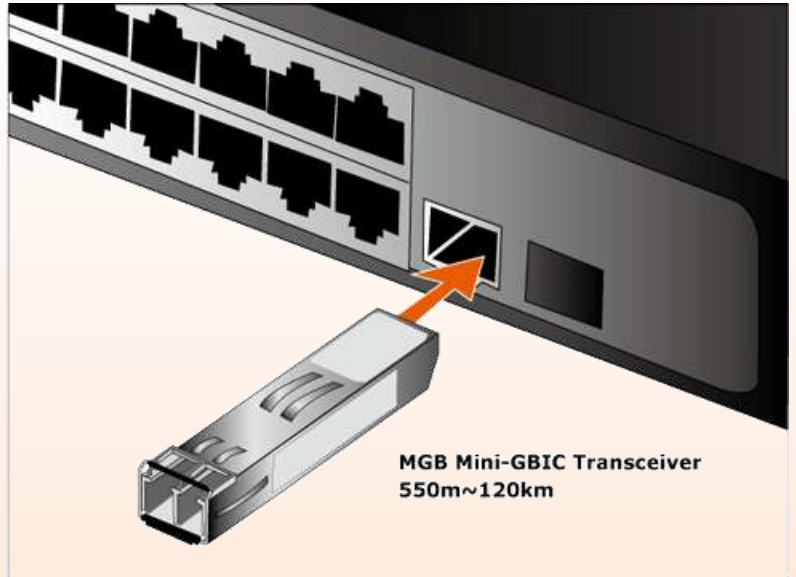
MGB-Series

The MGB series of SFP Gigabit Ethernet modules can be installed into any PLANET Switch or Media Converter product fitted with a 1000Base-SX/LX SFP interface. To allow an Ethernet LAN to be extended from 100 metres (CAT-5) to 550m using Multimode Fibre and up to 120 kilometres using Single-mode Fibre.

The SFP transceivers are hot-pluggable and hot-swappable. You can plug the transceivers in and out of any SFP port without having to power down the Switch/Media Converter.

Key Features

- Comply with the IEEE 802.3z Gigabit Ethernet standard
- 1 X 1000Mbps fibre port
- Industry standard small form pluggable (SFP) package
- 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



Industrial Switch with SFP Interface



Media Converter with SFP Interface

Ordering Information

MGB-GT	SFP-Port 1000Base-T Module
MGB-LX	SFP-Port 1000Base-LX mini-GBIC module - 10km
MGB-SX	SFP-Port 1000Base-SX mini-GBIC module - 220m
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

Model	MGB-Series 1000Base-SX/LX Mini-GBIC Transceiver
MGB-SX	
PHY Type	IEEE 802.3z 1000Base-SX
Fibre Type	Multi-Mode
Connector	LC
Wavelength	850nm
Maximum Distance	220m~550m
MGB-LX	
PHY Type	IEEE 802.3z 1000Base-LX
Fibre Type	Single Mode
Connector	LC
Wavelength	1310nm
Maximum Distance	10km
MGB-L30	
PHY Type	IEEE 802.3z 1000Base-LX
Fibre Type	Single Mode
Connector	LC
Wavelength	1310nm
Maximum Distance	30km
MGB-L50	
PHY Type	IEEE 802.3z 1000Base-ZX
Fibre Type	Single Mode
Connector	LC
Wavelength	1550nm
Maximum Distance	50km
MGB-L70	
PHY Type	IEEE 802.3z 1000Base-ZX
Fibre Type	Single Mode
Connector	LC
Wavelength	1550nm
Maximum Distance	70km
MGB-L120	
PHY Type	IEEE 802.3z 1000Base-ZX
Fibre Type	Single Mode
Connector	LC
Wavelength	1550nm
Maximum Distance	120km

MGB-Series SFP Mini-GBIC Specifications

Ethernet beyond 100 metres

Model	MGB-Series 1000Base-SX/LX Mini-GBIC Transceiver
MGB-LA10	
PHY Type	IEEE 802.3ah 1000Base-BX
Fibre Type	Single Mode
Connector	WDM/Bidi LC
Wavelength	TX: 1310nm, RX: 1550nm
Maximum Distance	10km
MGB-LB10	
PHY Type	IEEE 802.3ah 1000Base-BX
Fibre Type	Single Mode
Connector	WDM/Bidi LC
Wavelength	TX: 1550nm, RX: 1310nm
Maximum Distance	10km
MGB-LA20	
PHY Type	IEEE 802.3ah 1000Base-BX
Fibre Type	Single Mode
Connector	WDM/Bidi LC
Wavelength	TX: 1310nm, RX: 1550nm
Maximum Distance	20km
MGB-LA40	
PHY Type	IEEE 802.3ah 1000Base-BX
Fibre Type	Single Mode
Connector	WDM/Bidi LC
Wavelength	TX: 1310nm, RX: 1550nm
Maximum Distance	40km
MGB-LB40	
PHY Type	IEEE 802.3ah 1000Base-BX
Fibre Type	Single Mode
Connector	WDM/Bidi LC
Wavelength	TX: 1550nm, RX: 1310nm
Maximum Distance	40km
MGB-GT	
PHY Type	IEEE 802.3ab 1000Base-T
Connector	RJ-45, Auto-negotiation, Auto-MDI/MDI-X
Maximum Distance	100 metres