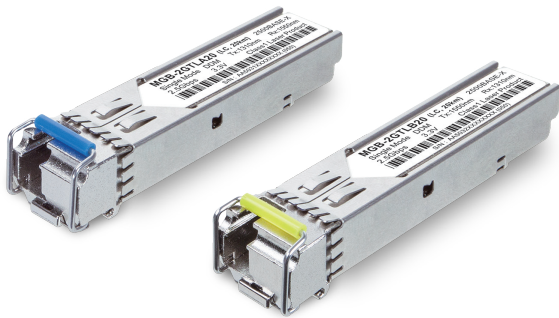


## 2500BASE-X SFP Transceiver



PLANET MGB-2G small form-factor pluggable (SFP) transceiver modules are specifically designed to work with PLANET products with 2.5G SFP interface that enables to build a high-performance 2.5Gbps Ethernet network over optical fiber for enterprises, telecoms and ISPs.

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 MGB-2G 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 300 meters (Multi-mode, LC) to up to 20 kilometers (Single-mode, LC).

To meet the increasing demand of the Industrial Ethernet fiber solution, PLANET MGB-2GT 2500BASE-X transceivers can operate reliably in the electrically harsh, climatically demanding, and wide temperature range (-40 degrees C to 75 degrees C) environment. The MGB-2GT transceivers provide easy and fast 2.5Gbps connection for PLANET wide temperature industrial equipment.

- Up to 2.5Gbps data links
- Duplex/Single LC connector
- Single power supply of 3.3V
- TTL signal detection indicator
- Hot pluggable
- Supports DDM (digital diagnostic monitoring)
- Wide operating temperature from -40 degrees C to 75 degrees C
- Monitoring interface compliant with SFF-8472
- Plug and Play configuration

## Applications

The MGB-2G SFP 2.5Gigabit Ethernet module is ideal for all industrial purposes as it can withstand an extreme temperature of -40 to 75 degrees Celsius. Network infrastructures can be expanded with ease as the deployment distance can be extended from 300m (Multi-mode, LC) to up to 20 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.

## Specifications

Product	<a href="#">MGB-2GTSR</a>
PHY Type	2500BASE-X
Fiber Type	Multi-mode
Connector	Dual LC/UPC
DDM	Yes
Wavelength	850nm
Maximum Distance	300m
Operating Temperature	-40~75 degrees C
Product	<a href="#">MGB-2GTLA20</a>
PHY Type	2500BASE-X
Fiber Type	Single-mode
Connector	Simplex LC/UPC
DDM	Yes
Wavelength	TX1310nm, RX1550nm
Maximum Distance	20km
Operating Temperature	-40~75 degrees C
Product	<a href="#">MGB-2GTLB20</a>
PHY Type	2500BASE-X
Fiber Type	Single-mode
Connector	Simplex LC/UPC
DDM	Yes
Wavelength	TX1550nm, RX1310nm
Maximum Distance	20km
Operating Temp	-40~75 degrees C
Product	<a href="#">MGB-2GLR2</a>
PHY Type	2500BASE-X
Fiber Type	Single-mode
Connector	Duplex LC/UPC
DDM	Yes
Wavelength	1310nm
Maximum Distance	2km
Operating Temperature	0~70 degrees C
Product	<a href="#">MGB-2GLR20</a>
PHY Type	2500BASE-X
Fiber Type	Single-mode
Connector	Duplex LC/UPC
DDM	Yes
Wavelength	1310nm
Maximum Distance	20km
Operating Temperature	0~70 degrees C
Product	<a href="#">MGB-2GSR</a>
PHY Type	2500BASE-X
Fiber Type	Multi-mode
Connector	Dual LC/UPC
DDM	Yes
Wavelength	850nm
Maximum Distance	300m
Operating Temperature	0~70 degrees C
Product	<a href="#">MGB-2GLA20</a>
PHY Type	2500BASE-X
Fiber Type	Single-mode
Connector	Simplex LC/UPC

DDM	Yes
Wavelength	TX: 1310nm, RX:1550nm
Maximum Distance	20km
Operating Temperature	0~70 degrees C
Product	<b>MGB-2GLB20</b>
PHY Type	2500BASE-X
Fiber Type	Single-mode
Connector	Simplex LC/UPC
DDM	Yes
Wavelength	TX:1550nm, RX:1310nm
Maximum Distance	20km
Operating Temperature	0~70 degrees C
Product	<b>MGB-2GTLR2</b>
PHY Type	2500BASE-X
Fiber Type	Single-mode
Connector	Duplex LC/UPC
DDM	Yes
Wavelength	1310nm
Maximum Distance	2km
Operating Temperature	-40~75 degrees C
Product	<b>MGB-2GTLR20</b>
PHY Type	2500BASE-X
Fiber Type	Single-mode
Connector	Duplex LC/UPC
DDM	Yes
Wavelength	1310nm
Maximum Distance	20km
Operating Temperature	-40~75 degrees C

## Ordering Information

MGB-2GTSR	2.5G SFP Transceiver (Multi-mode, 850nm, DDM, -40~75 degrees C) - 300m
MGB-2GTLA20	2.5G SFP Transceiver (Single mode WDM, TX:1310nm RX:1550nm, DDM, -40~75 degrees C) - 20km
MGB-2GTLB20	2.5G SFP Transceiver (Single mode WDM, TX:1550nm RX:1310nm, DDM, -40~75 degrees C) - 20km
MGB-2GSR	2.5G SFP Transceiver (Multi-mode, 850nm, DDM, 0~70 degrees C) - 300m
MGB-2GLA20	2.5G SFP Transceiver (Single mode WDM, TX:1310nm RX:1550nm, DDM, 0~70 degrees C) - 20km
MGB-2GLB20	2.5G SFP Transceiver (Single mode WDM, TX:1550nm RX:1310nm, DDM, 0~70 degrees C) - 20km
MGB-2GLR20	2.5G SFP Transceiver (Single mode, 1310nm, DDM) - 20km
MGB-2GLR2	2.5G SFP Transceiver (Single mode, 1310nm, DDM) - 2km
MGB-2GTLR20	2.5G SFP Transceiver (Single mode, 1310nm, DDM, -40~75 degrees C) - 20km
MGB-2GTLR2	2.5G SFP Transceiver (Single mode, 1310nm, DDM, -40~75 degrees C) - 2km