Gigabit Ethernet
SFP Mini-GBIC Transceiver

1000Base-SX (LC) Multi-Mode Port, 550 m

Model
545006

Optimize your network flexibility while you maintain high performance levels.

The new line of INTELLINET NETWORK SOLUTIONS™ Small Form Factor Pluggable (SFP) Transceivers provides customers with a combination of performance and affordability. These mini-GBIC (Gigabit Interface Converter) modules come in a metal housing that reduces electromagnetic interference and increases their durability.

Small Size for High-Density Fiber Connections
The transceiver comes in a mini-GBIC form factor, making it ideal for environments that require many fiber connections by taking up less space in your cabinet and/or computer room..

Multi-Vendor Compatible
Meets SFP GBIC standards for use with any SFP GBIC-compliant slot. Use the transceiver with any LAN switch in your network, as long as it supports the SFP GBIC standards.

Hot-Pluggable
No need to power down your LAN switch in order to install or remove the transceiver. This makes it very convenient and easy for you to make adjustments to your network that allow your business to keep pace with the changing demands of the market.

Lifetime Warranty
Strict manufacturing standards ensure the highest quality in all INTELLINET NETWORK SOLUTIONS products. All items carry a full Lifetime Warranty — the strongest quality commitment anyone can make.

INTELLINET NETWORK SOLUTIONS
Gigabit Interface Converters (GBIC) Product Line Summary

	Model	Fiber Type	Connector Type	Wave-length	Mode	Cable Length 100 m 328 ft.	Fiber Length					
							220 m 722 ft.	550 m 1,804 ft.	10 km 6.2 mi.	20 km 12.4 mi.	40 km 24.8 mi.	80 km 49.6 mi.
Mini-GBIC	545006	1000Base-SX	LC	850 nm	Multi		▬	▬				
	545013	1000Base-LX	LC	1310 nm	Single				▬			
	545075	1000Base-LX	LC	1310 RX 1550 TX	Single					▬		
	545068	1000Base-LX	LC	1550 RX 1310 TX	Single					▬		
	545020	1000Base-LX	LC	1310 nm	Single						▬	
	545037	1000Base-LX	LC	1550 nm	Single						▬	
	545044	1000Base-ZX	LC	1550 nm	Single							▬
GBIC	521437	1000Base-T	RJ-45	n/a	n/a	▬						
	545808	1000Base-SX	SC	850 nm	Multi			▬				
	545815	1000Base-LX	SC	1310 nm	Single				▬			
	545822	1000Base-LX	SC	1310 nm	Single						▬	
	545839	1000Base-LX	SC	1550 nm	Single						▬	
	545846	1000Base-ZX	SC	1550 nm	Single							▬

LIFETIME WARRANTY

Model
545006

Features

- Data transfer rate: 1000 Mbps
- One 1000Base-SX multi-mode Fiber LC duplex port
- Distance support: up to 550 m (50/125 µm cable) or 220 m (62.5/125 µm cable)
- Compliant with SFP Transceiver MSA specifications
- Wavelength: 850 nm
- SFP standard form factor
- Supports hot-plugging
- Lifetime Warranty

Specifications

STANDARDS
- IEEE 802.3z (Fiber Optic Gigabit Ethernet)

GENERAL
- Media support:
  - 1000Base-SX multi-mode 50/125 µm Fiber
  - 1000Base-SX multi-mode 62.5/125 µm Fiber
- Connector: Fiber LC duplex port, 1000Base-SX
- Distances:
  - 550 m (50/125 µm Fiber cable)
  - 220 m (62.5/125 µm Fiber cable)
- Wavelength: 850 nm
- Fiber power budget
  - Maximum TX power: -4 dB
  - Minimum TX power: -9 dB
  - Sensitivity: -17 dB
  - Power budget: 8 dB
- Design: SFP (small form factor pluggable), 1.25 Gbps
- Certifications: FCC Class A, CE Mark, RoHS

POWER
- Power requirement: 3.3 V
- Power consumption: 1.0 Watt (maximum)

ENVIRONMENTAL
- Dimensions: 55 (L) x 13 (W) x 12 (H) mm (2.2 x 0.5 x 0.5 in.)
- Weight: 15 g (0.5 oz.)
- Operating temperature: 0 – 70°C (32 – 158°F)
- Operating humidity: 10 – 85% RH, non-condensing
- Storage temperature: -40 – 85°C (-40 – 185°F)

PACKAGE CONTENTS
- Gigabit Ethernet SFP Mini-GBIC Transceiver

For more information on INTELLINET NETWORK SOLUTIONS products, consult your local dealer or visit **www.intellinet-network.com**.

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