

# GBIC Series

## Gigabit Interface Converter (GBIC)

The Allied Telesis G8 Series offers the latest industry standards in flexible, full-duplex Gigabit Ethernet connectivity. These hot-swappable, fiber and copper interfaces simply plug into a Gigabit Interface Converter (GBIC) slot on Allied Telesis GBIC-compatible products. Configurations can be optimized to meet varied distance and service requirements.



### Options

The G8 Series offers short-haul and long-haul solutions. From the inexpensive Allied Telesis AT-G8SX01 to the far-reaching Allied Telesis AT-G8LX10, the network can be extended to meet any performance need. The CWDM version allows the customer to take advantage of the CWDM technology in an existing network infrastructure, maximizing fiber efficiency.

### Product Compatibility

G8 Series GBICs are compatible with the entire range of Allied Telesis products that support GBIC uplink connections.

### BiDirectional Support

The Allied Telesis G8BiDirectional (G8BD) G8BD Series GBICs provide end-to-end Gigabit optional connectivity over a single fiber at distances up to 40km.

## Key Features

- ▶ Copper and fiber solutions
- ▶ Hot-swappable
- ▶ Compact size
- ▶ Flexible architecture
- ▶ Plug and Play ease of use
- ▶ Self-locking mechanism
- ▶ “Colored” wavelength for CWDM use
- ▶ Two-year warranty



## Specifications

MODEL	MEDIA TYPE	DATA RATE	GIGABIT ETHERNET	TRANSMIT POWER	RECEIVE SENSITIVITY	DISTANCE	WAVELENGTH	POWER BUDGET	INTERFACE SUPPORT	TEMPERATURE
AT-G8T	Copper	1.25Gbps	Copper	-	-	100 m	-	-	RJ-45	0°C to 40°C (32°F to 104°F)
AT-G8SX-01	MMF	1.25Gbps	Optical	-9.5 to -4dBm	17dBm	220-550 m	850 nm	7.5dBm	SC	0°C to 70°C (32°F to 158°F)
AT-G8LX10	SMF	1.25Gbps	Optical	-9.5 to -3dBm	-20dBm	10 km	1310 nm	11.5dBm	SC	0°C to 60°C (32°F to 140°F)
AT-G8BD-13	SMF	1.25Gbps	Optical	-3 to 2dBm	2dBm	40 km	TX=1310 nm RX=1490 nm	-210dBm	SC	0°C to 70°C (32°F to 158°F)
AT-G8BD-14	SMF	1.25Gbps	Optical	-3 to 2dBm	2dBm	40 km	TX=1490 nm RX=1310 nm	-21dBm	SC	0°C to 70°C (32°F to 158°F)

## Ordering Information

### AT-G8T\*

100 m 1000T (RJ-45) GBIC

### AT-G8SX-01\*

220 m/550 m 1000SX 62.5/125 Micron MMF

### AT-G8LX10\*

10 km 1000LX, 9 Micron (1310 nm)

### AT-G8BD-13\*

40 km 1000LX, 9 Micron SMF  
(TX = 1310 nm, RX = 1490 nm)

### AT-G8BD-14\*

40 km 1000LX, 9 Micron SMF  
(TX = 1490 nm, RX = 1310 nm)

\*GBIC models are not available for sale in North America