



613-000524 Rev. A



## AT-G8T GBIC Transceiver Installation Guide

### Overview

The AT-G8T GBIC transceiver is a self-contained Gigabit Ethernet copper port that provides connectivity over twisted pair cable for networking products that feature a standard size GBIC expansion slot.

The GBIC features an RJ-45 connector and a maximum operating distance of 100 meters (328 ft.). The transceiver supports both shielded and unshielded twisted pair wiring.

### Verifying Package Contents

Make sure that the AT-G8T GBIC transceiver and installation instructions are included in your package. If any item is missing or damaged, contact your Allied Telesyn sales representative for assistance.

### Cable Specifications

The GBIC transceiver uses shielded or unshielded Category 5 or 5E cable with a maximum operating distance of 100 m (328 ft.). The AT-G8T GBIC transceiver uses a straight-through cable regardless of the type of end node. A crossover cable is not required.

### Installing an AT-G8T GBIC Transceiver

To install an AT-G8T GBIC transceiver, perform the following procedure:



#### Caution

The transceiver can be damaged by static electricity. Be sure to observe all standard electrostatic discharge (ESD) precautions, such as wearing an antistatic wrist strap, to avoid damaging the device.

1. Remove the transceiver from the shipping package and store the packaging material in a safe place.
2. Set the auto-negotiation switch to either ON or OFF to enable or disable auto-negotiation on the transceiver.
3. Slide the transceiver into the GBIC slot.

If you are connecting the twisted pair cable to the GBIC at this time, continue to step 4. Otherwise, stop here.

4. Remove the dust cover.
5. Connect the twisted pair cable to the transceiver.



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For information about the transceiver port LEDs, refer to the appropriate hardware installation guide.

## Electrical Safety and Emission Statement

This product meets the following standards.

U.S. Federal Communications Commission
<b>Radiated Energy</b> Note: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Note: Modifications or changes not expressly approved of by the manufacturer or the FCC, can void your right to operate this equipment.

Industry Canada
This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

**RFI Emissions:** EN55022 Class A

**Immunity:** EN55024

**Electrical Safety:** EN60950 (TUV), UL1950 (cUL<sub>US</sub>)

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For information about the transceiver port LEDs, refer to the appropriate hardware installation guide.

## Electrical Safety and Emission Statement

This product meets the following standards.

U.S. Federal Communications Commission
<b>Radiated Energy</b> Note: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Note: Modifications or changes not expressly approved of by the manufacturer or the FCC, can void your right to operate this equipment.

Industry Canada
This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

**RFI Emissions:** EN55022 Class A

**Immunity:** EN55024

**Electrical Safety:** EN60950 (TUV), UL1950 (cUL<sub>US</sub>)

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For information about the transceiver port LEDs, refer to the appropriate hardware installation guide.

## Electrical Safety and Emission Statement

This product meets the following standards.

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<b>Radiated Energy</b> Note: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Note: Modifications or changes not expressly approved of by the manufacturer or the FCC, can void your right to operate this equipment.

Industry Canada
This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

**RFI Emissions:** EN55022 Class A

**Immunity:** EN55024

**Electrical Safety:** EN60950 (TUV), UL1950 (cUL<sub>US</sub>)

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For information about the transceiver port LEDs, refer to the appropriate hardware installation guide.

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Industry Canada
This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

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