



## AT-GS900 SERIES

### Unmanaged Gigabit Ethernet Switches

#### PERFORMANCE

The Allied Telesyn AT-GS900 series of unmanaged Gigabit switches are designed for medium enterprises and education networks. The AT-GS900 series were built to deliver high bandwidth applications such as video, graphics, or industrial design, to the end user with the high speed and high performance that only Gigabit can provide.

#### FLEXIBILITY

The AT-GS9XXGB products include two Gigabit Interface Converter (GBIC) expansion bays that are shared with the last two copper Gigabit ports. For example, when the GBIC bays of the AT-GS908GB are populated with Allied Telesyn hot-swappable GBICs, ports 7 and 8 are turned off and the GBIC ports are turned on. Alternatively, if the GBIC bays are not populated, ports 7 and 8 are available for use. Allied Telesyn offers five full duplex GBIC models that support distances of 500 meters up to 70 kilometers.

#### SIMPLE INSTALLATION

The AT-GS900 series require minimal configuration and can be installed in minutes for use in a network rack or on a desktop. The 10/100/1000TX copper ports on the AT-GS900 series are fully auto-negotiating; allowing it to connect to all other 10Mbps Ethernet, 100Mbps Fast Ethernet, or 1000Mbps Gigabit Ethernet devices. Equipped with MDI/MDIX ports for easy connection to other hubs and switches, the AT-GS900 series is a natural migration path from legacy networks and a cost-effective introduction to Gigabit Ethernet. Front panel LEDs allow users to monitor the switch status providing simple "at a glance" management.

#### QUALITY & RELIABILITY

Allied Telesyn is a worldwide leader in unmanaged Ethernet switches. Each unmanaged switch is backed with a lifetime limited warranty.

#### APPLICATIONS

Connected to managed Fast Ethernet switches such as the AT-8024GB or the AT-8224XL or unmanaged Fast Ethernet switches such as the AT-FS724L or the AT-FS709FC, the AT-GS900 series is an ideal fit for Gigabit migration in the Local Area Network (LAN). The AT-GS900 series of unmanaged Gigabit switches is capable of forwarding both standard sized packets and VLAN tagged packets throughout LANs.

For applications that need Gigabit to the desktop an ideal design combines the Allied Telesyn AT-GS900 series switches and our full line of Gigabit network adapter cards. The AT-2930T supports copper Gigabit and the AT-2930SX supports fiber Gigabit.

#### KEY FEATURES

- Wirespeed performance
- Non-blocking architecture
- Auto-negotiation Gigabit ports
- Auto MDI/MDIX on TX ports
- Transparent to VLAN packets
- Full duplex flow control
- 2 bays for optional GBIC modules (AT-GS908GB, AT-S916GB & AT-GS924GB models only)
- Sturdy metal case
- Lifetime limited warranty

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### Unmanaged Gigabit Ethernet Switches

#### PERFORMANCE

14,880pps for 10Mbps Ethernet  
148,800pps for 100Mbps Ethernet  
1,488,000pps for 1000Mbps Ethernet

#### Switching Capacity

Up to 7.44Mbps AT-GS905  
Up to 12Mbps AT-GS908 & AT-GS908GB  
Up to 23.8Mbps AT-GS916 & AT-GS916GB  
Up to 35.7Mbps AT-GS924 & AT-GS924GB

#### MAC Addresses

Up to 4K AT-GS905 & AT-GS916GB  
Up to 8K AT-GS908, AT-GS916, AT-GS924, AT-GS908GB & AT-GS916GB  
Up to 32K AT-GS924GB

#### Packet Buffer

128KB AT-GS905  
256KB AT-GS908, AT-GS916, AT-GS924, & AT-GS916GB  
512KB AT-GS908GB  
1MB AT-GS924GB

#### Half/Full duplex

Auto-negotiation  
MDI/MDIX

Auto copper or fiber detection on the last two ports for AT-GS908GB, AT-GS916GB & AT-GS924GB

#### INTERFACE CONNECTIONS

10/100/1000TX RJ-45  
1000FX 1000SX or 1000LX

#### POWER CHARACTERISTICS

Voltage 100-240vAC  
Frequency 50/60Hz  
Current 0.3A AT-GS905  
0.6A AT-GS908GB  
0.75A AT-GS908  
1.0A AT-GS916, AT-GS924 & AT-GS916GB  
2.0A AT-GS924GB  
Power Consumption 16.5W AT-GS905  
18W AT-GS908  
20W AT-GS916GB  
28W AT-GS916  
35W AT-GS908GB  
43W AT-GS924  
46W AT-GS924GB

#### ENVIRONMENTAL SPECIFICATIONS

Operating Temp. 0°C to 40°C (32°F to 104°F)  
Non-operating Temp. -25°C to 70°C (-13°F to 158°F)  
Operating Humidity 5% to 90% non-condensing  
Storage Humidity 5% to 95% non-condensing

#### TECHNICAL SPECIFICATIONS

##### PHYSICAL CHARACTERISTICS

(H x W x D)

AT-GS905: 3.50 x 15.97 x 14.37 cm (1.38 x 7.93 x 5.66 in)  
AT-GS908: 4.36 x 26.6 x 16.2 cm (1.7 x 10.5 x 6.4 in)  
AT-GS916: 4.40 x 44.0 x 33.0 cm (1.75 x 12.99 x 9.11 in)  
AT-GS924: 4.36 x 44.0 x 22.35 cm (1.72 x 17.34 x 8.80 in)  
AT-GS908GB: 4.36 x 29.4 x 20.9 cm (1.7 x 11.6 x 8.2 in)  
AT-GS916GB: 4.36 x 33.0 x 20.4 cm (1.7 x 12.99 x 8.0 in)  
AT-GS924GB: 4.36 x 43.2 x 25.0 cm (1.7 x 17.0 x 9.8 in)

#### Weight

AT-GS905 0.97kg (2.15Lbs)  
AT-GS908 1.4kg (3.1lbs)  
AT-GS916 2.38kg (5.25lbs)  
AT-GS924 2.99kg (6.60lbs)  
AT-GS908GB 2.2kg (4.9lbs)  
AT-GS916GB 2.38kg (5.25lbs)  
AT-GS924GB 5.25kg (11.6lbs)

#### Wallmount

19" rackmount, hardware included

Desktop or Rackmount AT-GS916

#### STANDARDS & COMPLIANCE

IEEE 802.3 10T Ethernet  
IEEE 802.3u 100TX Fast Ethernet  
IEEE 802.3ab 1000T Gigabit Ethernet  
IEEE 802.3z Full duplex  
IEEE 802.3x Flow control

#### ELECTRICAL/MECHANICAL APPROVALS

UL 1950  
FCC/EN55022 Class A  
VCCI Class A  
C-Tick  
EN60950 (TUV)  
EN55024  
CE

#### ORDERING INFORMATION

AT-GS905-xx  
5 port 10/100/1000TX unmanaged switch  
AT-GS908-xx  
8 port 10/100/1000TX unmanaged switch  
AT-GS916-xx  
16 port 10/100/1000TX unmanaged switch  
AT-GS924-xx  
24 port 10/100/1000TX unmanaged switch  
AT-GS908GB-xx  
8 port 10/100/1000TX unmanaged switch with 2 GBIC bays  
AT-GS916GB-xx  
16 port 10/100/1000TX unmanaged switch with 2 GBIC bays  
AT-GS924GB-xx  
24 port 10/100/1000TX unmanaged switch with 2 GBIC bays

Where xx = 10 for U.S. power cord  
20 for no power cord  
30 for U.K. power cord  
40 for Australia power cord  
50 for Europe power cord

#### GIGABIT INTERFACE CONVERTER (GBIC) MODULES

AT-G8SX  
500m SX GBIC, based on 50 Micron fiber  
220m SX GBIC, based on 62.5 Micron fiber  
AT-G8LX10  
10km LX GBIC, based on 9 Micron fiber  
AT-G8LX25  
25km LX GBIC, based on 9 Micron fiber  
AT-G8LX40  
40km LX GBIC, based on 9 Micron fiber  
AT-G8LX70  
70km LX GBIC, based on 9 Micron fiber

#### ABOUT ALLIED TELESYN

Allied Telesyn was founded in 1987 with the goal of producing reliable, standards-based networking products. Focused on Ethernet/IP solutions geared to applications, Allied Telesyn offers access-edge products like switches, fiber/copper MAPs, and CPE. We're also a leading global manufacturer of media converters, unmanaged switches, and NICs. Our customer-driven approach has made Allied Telesyn the ideal choice for IT professionals looking for high-quality, feature-rich network solutions at a lower price. Allied Telesyn – It's Our Network, Too.

[www.alliedtelesyn.com](http://www.alliedtelesyn.com)

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