

## AT-8024GB, Managed Fast Ethernet Switch

AT-8024GB, 24 port managed stackable Fast Ethernet switch with 2 GBIC expansion bays

### KEY FEATURES

9.6Gbps switch fabric

Enhanced Stacking™

Wirespeed

Non-blocking

Web-based management

SNMP support

IEEE 802.1Q VLAN tagging

IEEE 802.1p Prioritization

IEEE 802.3ad  
Link Aggregation

Port security

Port mirroring

Auto MDI/MDIX

1 RU form factor

IGMP v1 and v2

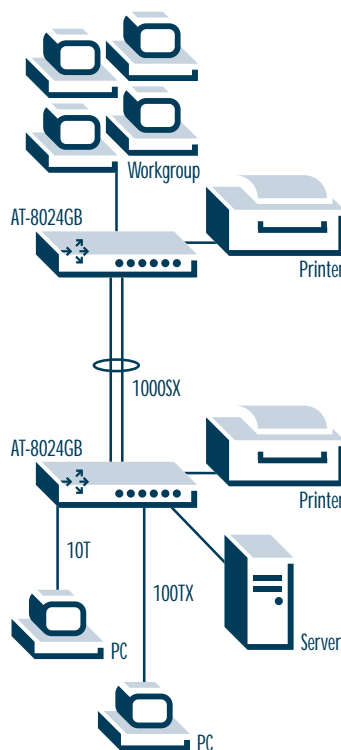
Lifetime limited warranty

### PERFORMANCE

Allied Telesyn's AT-8024GB Fast Ethernet managed switch provides exceptional performance, ease of use and flexibility at an affordable price. Utilizing a robust 9.6Gbps non-blocking switching architecture for wire speed packet forwarding and featuring priority queuing for weighted packet management, the AT-8024GB is ideally suited for deployment in small and medium enterprises, in multi-unit buildings, hotels, schools and universities.

### SCALABILITY

The AT-8024GB includes two Gigabit Interface Converter (GBIC) expansion bays. These bays can be populated with 1000SX or 1000LX GBICs.



### MANAGEMENT

Although the AT-8024GB switch can be used as a plug-and-play device, an extensive range of management is provided at no additional charge. Management features include Web-based management, SNMP and Telnet. Through these easy to use management features, network managers can enable Enhanced Stacking™ to remotely manage up to 24 switches while using a single IP address per broadcast domain.

### RICH FEATURE SET

Richly equipped with features that include 802.1Q VLAN tagging and IEEE 802.1p priority queuing, the AT-8024GB allows for greater network micro-segmentation and traffic prioritization. When network managers have bandwidth hungry or time sensitive data, these switches can be configured to prioritize this traffic over other types. The AT-8024GB also features IEEE 802.3ad compliant Link Aggregation capabilities on each port, supporting up to 4 ports in a 10/100 trunk group or 2 ports in a 1000FX trunk group. Auto-negotiation and broadcast storm control capabilities on all ports are included. Additionally the Auto-MDI/X feature allows easy connection to other switches from any port.

### ABOUT ALLIED TELESYN, INC.

Allied Telesyn, Inc. leads the world in network technologies for the access edge. Since the company's inception in 1987, Allied Telesyn has been developing IP-based network products for use in video, voice and data networks at the metro edge, in education, government agencies and across the enterprise. Allied Telesyn's access, aggregation and core transport technologies range from simple Ethernet adapters, hubs and media converters to robust multi-layer Gigabit Ethernet switches and routers, wireless systems, DTM and WDM transport solutions for delivering real-time voice, video and data. Allied Telesyn's comprehensive support and professional service programs are suited to meet the growing demands of today's switched broadband infrastructures.

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# SWITCHES



**Allied Telesyn**  
Simply connecting the IP world

# AT-8024GB, Managed Fast Ethernet Switch

## PERFORMANCE

9.6Gbps switching fabric  
Up to 8.8Mpps  
14,880pps for 10Mbps Ethernet  
148,800pps for 100Mbps Ethernet  
1,488,000pps for 1000Mbps Ethernet

MAC addresses 4K  
Buffer Memory 6MB  
VLANs 32

Basic VLAN mode  
Broadcast Storm Control  
Head of Line Blocking  
Half/Full Duplex  
Autonegotiation  
Auto MDI/MDIX

## RELIABILITY

MTBF 46,000 hours

## INTERFACE CONNECTIONS

10/100TX Shielded RF-45, Auto MDIX  
RS232 DB9 pin female port

## NETWORK MANAGEMENT

SNMP  
Web-based management  
RS232 Console Access  
Command Menu Interface (ATI Omega)  
Telnet

## POWER CHARACTERISTICS

Voltage 100-240vAC  
Current 4.0/2.0A  
Frequency 50-60Hz  
Power Consumption 30W Max.

## 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)  
Relative Humidity 95% noncondensing

## PHYSICAL CHARACTERISTICS

Height 4.4cm (1.8")  
Width 44cm (17.3")  
Depth 18.5cm (7.3")  
Weight 2.7kg (6lbs)  
Mounting 19" rackmountable, hardware included

## STANDARDS AND COMPLIANCE

IEEE 802.3 10T Ethernet  
IEEE 802.3u 100TX Ethernet  
IEEE 802.3z 1000X Ethernet  
IEEE 802.3ad Link Aggregation  
IEEE 802.1d Spanning Tree  
IEEE 802.1p Class of Service  
IEEE 802.1Q VLAN Tagging  
IEEE 802.3x Flow Control  
RFC 1112 IGMP Snooping v1  
RFC 2236 IGMP Snooping v2  
RFC 951 BootP  
RFC 2131 DHCP  
RFC 1350 TFTP

## SNMP STANDARDS

RFC 1213 MIB II  
RFC 1493 Bridge MIB  
RFC 1573 Interface Group MIB  
RFC 1643 Ethernet MIB  
RFC 1757 Remote Network MIB

## ELECTRICAL/MECHANICAL APPROVALS

UL 1950  
FCC Class A  
CSA 22.2 No. 950  
EN55022 Class A  
En 60950 (TUV)  
EN50082-1  
VCCI

## COUNTRY OF ORIGIN

Indonesia

## ORDERING INFORMATION

### AT-8024GB-xx

24 port managed stackable  
Fast Ethernet 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 European power cord

### Gigabit Interface Converter (GBIC) modules

AT-G8SX  
550m SX GBIC, based on 50 Micron fiber  
300m 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

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