



## AT-9000/24

### Layer 2 Managed Gigabit Ethernet Switch

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24 port 10/100/1000T managed Gigabit Ethernet switch with RJ-45 connection and 4 SFP combo slots

#### Delivering Performance and Scalability

With up to 35.7Mpps throughput and supporting up to 255 VLANs the AT-9000/24 is a powerful entry level managed switch. This layer 2 gigabit Ethernet switch enables administrators to extend networks via four mini GBICs (SFP) slots. The SFPs are plug and play and hot swappable.

#### Flexibility

Ideally suited for small and medium businesses, hotels, schools and universities. The AT-9000/24 switch offers 24 copper ports and 4 combo SFP for uplinks.

Richly equipped with features normally found on higher-priced products the AT-9000/24 switch supports RADIUS, security with 802.1x authentication, VLAN tagging and more. Bandwidth hungry networks can streamline traffic with the four priority queues found in the IEEE 802.1p prioritization feature. And high traffic points can be addressed with the IEEE 802.1ad link aggregation and LACP feature supporting.

#### Management

Although a plug-and-play device, the AT-9000/24 switch included an extensive range of management feature such as WEB-based interfaces, command line interfaces, SNMP and Telnet.

Management is available though any tagged or untagged VLAN and firmware and configuration files may be uploaded or downloaded via TFTP. The AT-9000/24 switch can be used on a desktop or in a rack. The switch is MDI/MDI-X on all ports for simple connection to other hubs and switches. Front panel LEDs allow users to monitor the switch status providing simple "at a glance" management.

#### Key Features

- SNMP v1 and v2
- Telnet remote login
- Non blocking architecture
- Wire-speed performance
- Rapid Spanning Tree
- RADIUS
- Four priority queues per port
- VLAN tagging
- Port Mirroring
- Link Aggregation - LACP
- Limited Lifetime Warranty

# AT-9000/24 | Layer 2 Managed Gigabit Ethernet Switch

## Technical Specifications

### Performance

Wire speed switching on all Ethernet ports up to 1000Mbps throughput  
14,880pps for 10Mbps Ethernet  
148,800pps for 100Mbps fast Ethernet  
1,488,000pps for 1000Mbps Gigabit Ethernet

Switching capacity 24Gbps  
Throughput 48Gbps

Store and forward mode  
Non blocking switch fabric  
Full Wire Speed  
Head of line blocking prevention  
Broadcast Storm Control

MAC address up to 8k  
VLANs 255  
Half/Full Duplex  
Auto negotiation  
Auto MDI/MDI-X on all ports

RAM  
20MB divided into:  
4MB Image storage Memory  
16MB Dynamic Memory  
Packet Buffer Memory: 2Mbit

### Reliability

MTBF 200,000+ hrs  
MTTR <1/2 hr DoA<1%

### Interface Connections

10/100/1000TX RJ-45  
RS232 DB9 pin, male port  
Internal power supply

### Power Characteristics

Voltage 100- 240vAC  
Current 1.5A  
Power Consumption 38W Maximum  
Frequency 50-60Hz

### Environmental Specifications

Operating Temp 0°C to 45°C (32F to 113F)  
Storage Temp -25°C to 70°C (-13F to 158F)  
Relative Humidity 10% to 90% non-condensing  
Storage Humidity 5% to 95% non-condensing  
Operating Altitude Maximum 3,000m (9,843ft)

### Physical Characteristics

AT-9000/24 W x D x H  
440mm x 387mm x 44mm  
17.32" x 15.24" x 1.73"  
Weight 3.25kg (7.16lbs)  
Mounting 19" rack-mountable  
hardware included

## Standards and Compliance

802.1D Spanning Tree Protocol  
802.1W Rapid Spanning Tree  
802.1p Class of Service  
802.1Q VLAN Tagged VLAN  
802.1x Port-based network access control  
802.3i 10Base-T Ethernet  
802.3ab 1000base-T  
802.3ac VLAN tag frame extension  
802.3ad Link aggregation, LACP  
802.3u 100base-T Ethernet  
802.3x Back pressure/ flow control  
802.3af Data Terminal Equipment (DTE) via Media Dependent Interface (MDI)  
802.3z 1000SX  
RFC 1112 IGMP snooping v1.0/ v2.0  
RFC 2865 RADIUS  
RFC 783 TFTP

## SNMP Standards

RFC 1157 SNMPv1/v2  
RFC 1213 MIB-II  
RFC 1215 TRAP MIB  
RFC 1493 Bridge MIB  
RFC 1757 RMON 4 groups:  
stats, history, alarms, events  
802.1QMIB  
RFC 2674 Interfaces group MIB  
RFC2863 Allied Telesyn managed switch MIB

## Management Standards

Web interface — Multiple sessions can be supported at the same time  
Console command line interface  
SNMP compatibility  
Telnet remote login — Multiple sessions can be supported at the same time  
Syslog remote logging  
Port Mirroring  
Dual software images

## Electrical/Mechanical Approvals

Safety UL 1950 (UL/cUL), EN60950 (TUV)  
EMI FCC Class A, EN55022 Class A, VCCI Class A, COTick, EN61000-3-2, EN61000-3-3  
Immunity EN55024

## Country of Origin

China

## Ordering Information

AT-9000/24-xx  
24-port 10/100/1000TX managed switch with 4 combo SFPs

Where xx = 10 for US  
= 30 for UK  
= 40 for Australia  
= 50 for Europe

USA Headquarters | 19800 North Creek Parkway | Suite 200 | Bothell | WA 98011 | USA | T: +1 800 424 4284 | F: +1 425 481 3895

European Headquarters | Via Motta 24 | 6830 Chiasso | Switzerland | T: +41 91 69769.00 | F: +41 91 69769.11

Asia-Pacific Headquarters | 11 Tai Seng Link | Singapore | 534182 | T: +65 6383 3832 | F: +65 6383 3830

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

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