



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 IEEE 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 features such as Web-based interfaces, Command Line Interfaces, SNMP and Telnet.

Management is available through any tagged or untagged VLAN, 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
- Wirespeed performance
- Rapid Spanning-Tree
- RADIUS
- Four priority queues per port
- VLAN tagging
- Port mirroring
- Link aggregation - LACP*
- SNTP*
- GVRP*
- * future release

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Technical Specifications

Performance

Wirespeed 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 48Gbps
Throughput 37.5Mpps

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

MAC address up to 8k
VLANs 255
GVRP*
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

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

Power Characteristics

Voltage 100- 240V AC
Current 1.5A
Power consumption 38W maximum
Frequency 50-60Hz

Environmental Specifications

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

Physical Characteristics

Dimensions 44cm x 25.7cm x 4.32cm
(W x D x H) 17.32" x 10.11" x 1.7"
Weight 3.25kg (7.16lbs)
Mounting 19" rack-mountable
hardware included

Standards and Compliance

IEEE 802.1D Spanning Tree-Protocol
IEEE 802.1W Rapid Spanning-Tree
IEEE 802.1p Class of Service
IEEE 802.1Q VLAN tagged VLAN
IEEE 802.1x Port-based network access control
IEEE 802.3i 10T Ethernet
IEEE 802.3ab 1000T
IEEE 802.3ac VLAN tag frame extension
IEEE 802.3ad Link aggregation, LACP*
IEEE 802.3u 100TX Ethernet
IEEE 802.3x Back pressure/ flow control
IEEE 802.3af Data Terminal Equipment (DTE)
via Media Dependent Interface (MDI)
IEEE 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
RFC 2674 IEE 802.1Q MIB
Allied Telesis 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
Port mirroring
Dual software images
RFC 2030 SNMP*

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 10/100/1000T managed switch
with 4 combo SFPs

Where xx = 10 for US
30 for UK
40 for Australian
50 for European

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