

Switches

AT-8000 Series, Managed Switches for Fixed Ports

AT-8024

24 port 10/100TX managed switch

AT-8026T

24 port 10/100TX managed switch plus 2 copper Gigabit ports

AT-8024GB

24 port 10/100TX managed switch plus 2 GBIC bays

AT-8026FC

24 port 10/100TX managed switch plus 2 100FX ports with SC connectors

Performance

Allied Telesyn's AT-8000 series of Fast Ethernet switches provide exceptional performance, ease of use and flexibility at an affordable price. Designed to switch heavy multicast and broadcast traffic effortlessly, the AT-8000 series supports a 800K multicast or broadcast packet replication rate, 50K multicast packet forwarding rate and up to 10 IGMP leaves and joins per second. More performance enhancing features include broadcast storm control and auto-negotiation on all ports. When high performance is required choose any combination of the AT-8000 series models to deliver what you need when you need it.

Flexibility

Ideally suited for small and medium businesses, hotels, schools and universities, the AT-8000 series offers outstanding flexibility and scalability. Choose from copper or fibre switches and fixed or expandable configurations. This data sheet focuses on the fixed port configurations. Please see the AT-8000 Series, Managed Switches with Expansion Bays datasheet for information about models with expansion bays. Expansion bays can accommodate up to 2 ports of 100FX, 10/100/100TX, or Gigabit Interface Converters (GBIC).

All AT-8000 series models support the Allied Telesyn signature feature Enhanced Stacking™ which enables up to 24 switches, 576 10/100TX ports, to be remotely managed by a single IP address. The 24 switches can be any combination of any models, fixed port or with expansion bays, of the AT-8000 series.

Management

Although the AT-8000 series can be used as a plug-and-play device, an extensive range of management features are provided at no additional charge. Management features include web-based interface, command line interface, SNMP, and Telnet. Management is available through any tagged or untagged VLAN. Firmware and configuration files may be uploaded or downloaded through TFTP, XMODEM or Enhanced Stacking™.

Rich feature set

Richly equipped with features normally only found on higher priced products, the AT-8000 series supports Rapid Spanning Tree, port based network access control, RADIUS, TACACS+, VLAN tagging and more. Bandwidth hungry networks can streamline traffic with the two priority queues found in the IEEE 802.1p prioritization feature. High traffic points can be addressed with the IEEE 802.1ad link aggregation feature supporting up to four Fast Ethernet ports or two Gigabit ports.



Key features

- 9.6Gbps switch fabric
- Non-blocking architecture
- Wirespeed performance
- Enhanced Stacking™
- Rapid Spanning Tree
- Port based network access control
- RADIUS
- TACACS+
- Two priority queues
- Port security
- Port mirroring
- Free software upgrades
- Lifetime limited warranty

AT-8000 Series, Managed Switches with Fixed Ports

PERFORMANCE

Wirespeed switching on all Ethernet ports
Up to 6.5Mpps throughput
14,880pps for 10Mbps Ethernet
148,800pps for 100Mbps Fast Ethernet
1,488,000pps for 1000Mbps Gigabit Ethernet

Store and forward mode
9.6Gbps switch fabric
Head of Line blocking prevention
Broadcast Storm control
RAM 24MB divided into 6MB Buffer Memory
18MB System Memory
MAC Addresses Up to 4K
VLANs 32
Half/Full Duplex
Auto Negotiation
Auto MDI/MDI-X on all ports

RELIABILITY

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

INTERFACE CONNECTIONS

10/100TX RJ45
100FX SC
RS232 DB9 pin, female port
Power supply 5-15 NEMA plug
Internal power supply

POWER CHARACTERISTICS

Voltage 100-240V AC
Current 4.0/2.0A
Frequency 50-60Hz
Power consumption max. 63W

ENVIRONMENTAL SPECIFICATIONS

Operating Temp 0°C to 40C (32°F to 104°F)
Storage Temp -25°C to 70°C (-13°F to 158°F)
Relative Humidity 5% to 95% non-condensing
Storage Humidity 5% to 95% non-condensing
Operating Altitude maximum 3,000m (9,843ft)

PHYSICAL CHARACTERISTICS

AT-8024 4.4cm (1.8") x 43.8cm (17.3") x 18.4cm (7.3"), 2.7kgs (6.0lbs)
AT-8026T 4.4cm (1.8") x 43.8cm (17.3") x 18.4cm (7.3"), 2.7kgs (6.0lbs)
AT-8024GB 4.4cm (1.8") x 43.8cm (17.3") x 18.4cm (7.3"), 2.7kgs (6.0lbs)
AT-8026FC 4.4cm (1.8") x 43.8cm (17.3") x 18.4cm (7.3"), 2.7kgs (6.0lbs)
Mounting 19" rack mountable hardware included

ELECTRICAL/MECHANICAL APPROVALS

Safety UL 1950 (UL/cUL), EN 60950 (TUV)
EMI FCC Class A, EN55022 Class A, VCCI Class A, C-TICK, EN61000-3-2, EN61000-3-3
Immunity EN55024

COUNTRY OF ORIGIN

China

STANDARDS & COMPLIANCE

IEEE 802.1d Bridging
IEEE 802.1D Spanning Tree Protocol
IEEE 801.p Class of Service
IEEE 802.1P Traffic filtering, dynamic multicast filtering
IEEE 802.1Q VLAN bridge
IEEE 802.1w Rapid Spanning Tree
IEEE 802.1x Port-based network access control
IEEE 802.3 10T Ethernet
IEEE 802.3ab 1000T
IEEE 802.3ac VLAN tag frame extension
IEEE 802.3ad Link aggregation (static)
IEEE 802.3u 100TX Ethernet
IEEE 802.3x Back pressure/flow control
IEEE 802.3z 1000SX
RFC 1112 IGMP Snooping v1.0
RFC 2236 IGMP Snooping v2.0
RFC 2865 RADIUS
RFC 783 TFTP
RFC 951 BOOTP
TACACS+

SNMP STANDARDS

RFC 1157 SNMPv1/v2
RFC 1213 MIB-II
RFC 1215 TRAP MIB
RFC 1493 Bridge MIB
RFC 1643 Ethernet-like MIB
RFC 1757 RMON 4 Groups: stats, history, alarms & events
RFC 2674 802.1Q MIB
RFC 2863 Interfaces Group MIB
Allied Telesyn Private MIB

ORDERING INFORMATION

AT-8024-xx

24 port 10/100TX managed switch

AT-8026T-xx

24 port 10/100TX managed switch plus 2 Copper Gigabit ports

AT-8024GB-xx

24 port 10/100TX managed switch plus 2 GBIC bays

AT-8026FC-xx

24 port 10/100TX managed switch plus 2 port 100FX with SC connectors

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



Only nature can do better

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Part Number 617-00532-00 Rev. B

