



AT-8000 SERIES

Managed Switches with Fixed Ports

AT-8024-xx

24-port 10/100TX managed switch

AT-8026T-xx

24-port 100TX managed switch plus 2 Copper Gigabit ports

AT-8024GB-xx

24-port 100TX managed switch plus 2 GBIC bays

AT-8026FC-xx

24-port 100TX managed switch plus 2-port 100FX with SC connectors.

HIGH PERFORMANCE

Designed to handle heavy multicast and broadcast traffic effortlessly, Allied Telesyn's AT-8000 Series of Fast Ethernet switches supports an 800K multicast or broadcast packet replication rate, a 50K multicast packet forwarding rate, and up to 10 IGMP leaves and joins per second. Providing exceptional performance, ease of use, and flexibility at an affordable price, the AT-8000 Series features broadcast-storm control and auto-negotiation on all ports. When you need high-performance, choose one of the combinations offered by the AT-8000 Series of Fast Ethernet switches.

FLEXIBILITY

Ideally suited for small and medium businesses, hotels, schools, and universities, the AT-8000 Series offers copper or fiber switches, and fixed or expandable configurations.

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

MANAGEMENT

Although a plug-and-play device, the AT-8000 Series also includes 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; and firmware and configuration files may be uploaded or downloaded via TFTP, XMODEM, or Enhanced Stacking™.

RICH FEATURE-SET

Richly equipped with features normally 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. And high-traffic points can be addressed with the IEEE 802.1ad link aggregation feature supporting up to four Fast Ethernet ports or two Gigabit Ethernet ports.

FIXED-PORT ALTERNATIVES

This data sheet focuses on the fixed-port configurations. Please consult the AT-8000 Series, Managed Switches with Expansion Bays datasheet for information about models with expansion bays.

Expansion-bay models include:

- AT-8012M, 12-port 10/100TX managed switch plus 1 expansion bay
- AT-8024M, 24-port 10/100TX managed switch plus 2 expansion bays
- AT-8016F, 16-port 100FX managed switch plus 2 expansion bays, SC or MT
- AT-8088, 8-port 100FX and 8-port 10/100TX managed switch plus 2 expansion bays, SC or MT

KEY FEATURES

- 9.6 Gbps 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 RJ-45

100FX SC or MT

RS232 DB9 pin, female port

Power supply 5-15 NEMA plug

Internal power supply

POWER CHARACTERISTICS

Voltage 100-240VAC

Current 4.0/2.0A

Power Consumption 63W Maximum

Frequency 50-60Hz

ENVIRONMENTAL SPECIFICATIONS

Operating Temp. 0°C to 40°C (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-8012M 4.4cm (1.8") x 29.2cm (11.5") x
21.0cm (8.3"), 2.2kgs (4.9lbs)

AT-8024M 4.4cm (1.8") x 43.8cm (17.3") x
22.2cm (8.8"), 3.5kgs (7.6lbs)

AT-8016F 4.4cm (1.8") x 43.8cm (17.3") x
22.2cm (8.8"), 3.5kgs (7.6lbs)

AT-8088 4.4cm (1.8") x 43.8cm (17.3") x
18.4cm (7.3"), 3.5kgs (7.6lbs)

Mounting 19" rack-mountable hardware included

STANDARDS & COMPLIANCE

802.1d Bridging
802.1D Spanning Tree Protocol
802.1p Class of service
802.1P Traffic filtering, dynamic multicast filtering
802.1Q VLAN bridge
802.1w Rapid Spanning Tree
802.1x Port-based network access control
802.3 10T Ethernet
802.3ab 1000T
802.3ac VLAN tag frame extension
802.3ad Link aggregation (static)
802.3u 100TX Ethernet
802.3x Back pressure/flow control
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

ELECTRICAL/MECHANICAL

APPROVALS

Safety UL 1950 (UL/cUL), EN60950 (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

ORDERING INFORMATION

AT-8024-xx
24-port 10/100TX managed switch

AT-8026T-xx
24-port 100TX managed switch plus 2 Copper Gigabit ports

AT-8024GB-xx
24-port 100TX managed switch plus 2 GBIC bays

AT-8026FC-xx
24-port 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 Australia power cord
50 for Europe power cord

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.

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