

AT-8000 Series, Managed Switches with 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

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

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 fiber 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.

ABOUT ALLIED TELESYN

Allied Telesyn 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.

SERVICE & SUPPORT

Allied Telesyn provides value-added support services for its customers under its Net.CoverSM programs. For more information on Net.CoverSM support programs available in your area, contact your Allied Telesyn sales representative or visit our website.

www.alliedtelesyn.com

SWITCHES

 Allied Telesyn

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
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-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

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 IOT 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 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 Australia power cord
50 for Europe power cord

USA Headquarters: 19800 North Creek Pkwy, Suite 200, Bothell, WA 98011, USA Tel: 800.424.4284
European Headquarters: Via Motta 24, 6830 Chiasso, Switzerland (Corporate) Tel: (+41) 91 697.69.00
(European Sales) Tel: (+39) 02 414.112.1

Fax: 425.481.3895
Fax: (+41) 91 697.69.11
Fax: (+39) 02 414.112.61

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