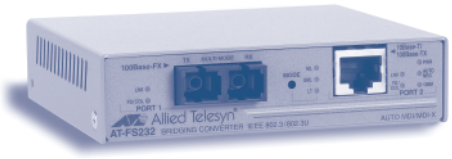

AT-FS232

2 Port Fast Ethernet Speed/Media Converting Switch

AT-FS232/y-xx
2-port Fast Ethernet switch media converter 10/100TX to 100FX (SC)

EXTEND NETWORKS

AT-FS232 switches are the ideal solution when the time comes to upgrade your traditional 10Mbps Ethernet network or extend your 100Mbps Fast Ethernet network. The AT-FS232 is designed to extend the distance of your network by converting Fast Ethernet data between twisted pair cabling and single-mode fiber-optic cabling. The AT-FS232 features a 100FX fiber-port and a 10/100TX twisted-pair port. The fiber-optic port features an SC connector and an operating distance of 2 kilometers (6,561 feet) to 90 kilometers (55.8 miles) depending on the model. The twisted-pair port has an RJ-45 connector with a maximum operating distance of 100 meters (328 feet).

VLAN SUPPORT

Many new backbone switch products now support the industry standard IEEE 802.1Q specification for Virtual LANs (VLANs) that send extra-long data packets on the network. The AT-FS232 switches are fully compatible with these long packets, enabling them to be used in modern networks. Switches not supporting this feature will discard these extra long packets, making them unsuitable for modern networks.

SMALL & FLEXIBLE

The small size and external power supply of the AT-FS232 allow them to be used almost anywhere. Additionally, they can be mounted in a chassis along with Allied Telesyn's media converters, allowing users to construct any mix of network conversions when they add the optional redundant power supply.

SMART MISSING LINK™ (SML)

The Missing Link feature allows the ports on the media converter to pass the Link status of their connections to each other. When the media converter detects a problem with a port—such as the loss of connection to a node—it shuts down the connection to the other port, thereby notifying the node that the connection has been lost. The AT-FS232 also features Smart Missing Link™ (SML)—a feature that monitors network connections and provides notification when network segments fail, allowing network managers to quickly identify the source and location of failed segments and minimize downtime.

KEY FEATURES

- Convert speed as well as media type
- Auto MDI/MDIX
- Missing Link (ML)
- Smart Missing LinkTM (SML)
- Supports 1532 bytes frame
- Support for multi-mode & single-mode fiber
- Supports Half & Full Duplex operation
- 8k MAC address tables
- Store-and-forward switching mode
- Transparent to 802.1Q packets
- Stand-alone or rack-mountable
- Rack-mountable using optional AT-MCR12, TRAY4, or TRAY1 chassis

AT-FS232

2 Port Fast Ethernet Speed/Media Converting Switch

STATUS INDICATORS

System LEDs:

Power	Indicates power is applied to the converter

Per Fiber Port:

Link	Indicates a valid receive link exists
Duplex	Indicates full or half-duplex operation
Collision	Indicates collision during packet transmission on the port

Per Copper Port:

Link	Indicates a valid receive link exists
Speed	Indicates either 10 or 100Mbps operation
Auto	Indicates port is set for auto-negotiation
FD/Collision 1	ndicates collision during packet transmission on the port. Indicates full-duplex or half-duplex operation.

OPERATIONAL CHARACTERISTICS

(Each port can be configured via the following switches)

Per fiber port:

Duplex	Selects either full- or half-duplex operation

Per copper port:

Auto	Selects auto-negotiation mode or manual setting
Duplex	Forces port to full- or half-duplex operation (Auto setting = manual only)
Speed	Forces port to 10 or 100Mbps operation (Auto setting = manual only)

OPERATIONAL MODE

Missing Link (ML)
Smart Missing Link™ (SML)
Link Test

MAC address table	8k addresses
Forwarding/filtering rate	148,880pps for 100Mbps 14,880pps for 10Mbps
Latency	14.3 µsec (64 byte packet,100Mbps full-duplex)

POWER CHARACTERISTICS

Input voltage (auto ranging)

External power supply	100-120vAC/60Hz, 220-240vAC/50Hz
Input supply voltage	12vDC +/- 5%
Max current	.5
Power consumption	6W

ENVIRONMENTAL SPECIFICATIONS

Operating Temp.	0°C to 40°C
Storage Temp.	-20°C to 80°C
Relative humidity	5% to 95% non-condensing
Operating altitude	0 to 10,000 feet

PHYSICAL CHARACTERISTICS

Dimensions	10.5cm x 9.5cm x 2.5cm (4.12" x 3.75" x 1.0")
Weight	0.7lb

ELECTRICAL/MECHANICAL APPROVALS

EMC	FCC Class A
Safety	UL-Cul, CSA/CSA, NRTL,TUV,CE compliant

ORDERING INFORMATION

AT-FS232/y-xx
2-port Fast Ethernet switch media converter
10/100TX to 100FX (SC)

Where y = single-mode fiber
= 1 single-mode fiber 15km
= 2 single-mode fiber 40km
= 3 single-mode fiber 70km
= 4 single-mode fiber 100km

Where xx = 10 AC Power supply, US power cord
= 20 AC Power supply, European power cord
= 30 AC Power supply, UK power cord
= 40 AC Power supply, Australian 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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