AT-FS200 SERIES

2 Port Fast Ethernet Speed/Media Converting Switches

AT-FS201-xx
2-port Fast Ethernet switch,
10/100TX to 100FX (ST), 2km

AT-FS202/yyyy-xx
2-port Fast Ethernet switch,
10/100TX to 100FX (SC)

AT-FS203-xx
2-port Fast Ethernet switch,
10/100TX to 10/100TX, 100m

EXTEND NETWORKS
AT-FS20X 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-FS203 connects any two copper networks—regardless of speed—and the ATFS201 and AT-FS202 families of switches allow the extension of any copper network over a Fast Ethernet fiber link up to distances of 100km.

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-FS20X 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 these switches 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.

KEY FEATURES
- Convert speed as well as media type
- MDI/MDIX crossover switch
  (AT-FS203 only)
- Auto MDI/MDIX
  (AT-FS201 and AT-FS202 only)
- Supports Half & Full Duplex operation
- 8k MAC address tables
- Store-and-Forward switching mode
- Transparent to 802.1Q packets
- Rack-mountable using optional AT-MCR12, TRAY4, or TRAY1 chassis
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STATUS INDICATORS

System LEDs (AT-FS203 only):
- Power: Indicates power is applied to the converter

Per Fiber Port:
- Link: Indicates a valid receive link exists
- Rx: Indicates this port is receiving data
- Tx: Indicates this port is transmitting data
- Duplex: Indicates full or half-duplex operation
- Collision: Indicates collision during transmission on the port

Per Copper Port:
- Link: Indicates a valid receive link exists
- Rx: Indicates this port is receiving data
- Tx: Indicates this port is transmitting data
- Duplex: Indicates full or half-duplex operation
- Collision: Indicates collision during transmission on the port
- Auto: Indicates port is set for auto-negotiation
- Speed: Indicates either 10 or 100Mbps operation
- 100M: Indicates operation at either 10T or 100TX

System LEDs (AT-FS201 and AT-FS202 only):
- Power: Indicates power is applied to the converter

Per Fiber Port:
- Link/Activity: Indicates valid/invalid link
- Indicates data is being received or transmitted
- Full Duplex/Collision: Indicates operation at either Full or Half Duplex
- Indicates collision during transmission on the port

Per Copper Port:
- Link/Activity: Indicates valid/invalid link
- Indicates data is being received or transmitted
- Full Duplex/Collision: Indicates operation at either Full or Half Duplex
- Indicates collision during transmission on the port
- Auto-negotiation: Indicates port is set for auto-negotiation
- 100M: Indicates operation at either 10T or 100TX

OPERATIONAL CHARACTERISTICS

(Each port can be configured via the following switches)

Per Fiber Port:
- Duplex: Selects either full or half-duplex operation
- Bytes: Selects maximum packet size sent by switch (1518 or 1522 bytes)

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)
- Bytes: Selects maximum packet size sent by switch (1518 or 1522 bytes)

MAC Address Table: 8k addresses
- Forwarding/Filtering Rate:
  - 148,880pps for 100Mbps
  - 14,880pps for 10Mbps
- Latency: 14.3µsec (64 byte packet, 100Mbps full duplex)

POWER CHARACTERISTICS

- Input Voltage (Auto Ranging):
  - External Power Supply: 100-240vAC, 50/60Hz +/- 3%
  - 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: 294g (10.4oz)

ELECTRICAL/MECHANICAL APPROVALS

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

ORDERING INFORMATION

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- 2-port Fast Ethernet switch,
  10/100TX to 100FX (ST), 2km

AT-FS202/yyy-xx
- 2-port Fast Ethernet switch,
  10/100TX to 100FX (SC)

AT-FS203-xx
- 2-port Fast Ethernet switch,
  10/100TX to 10/100TX, 100m

Where yyy = multi-mode fiber
- FS1 single-mode fiber 15km
- FS2 single-mode fiber 40km
- FS3 single-mode fiber 70km
- FS4 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.

www.alliedtelesyn.com

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