

AT-FS210 SERIES

Wall-mounted Speed/Media Converting Switches

AT-FS211-xx

Two port Fast Ethernet switch,
10/100TX to 100FX(ST)

AT-FS212/y-xx

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

AT-FS214-xx

2-port Fast Ethernet switch,
10/100TX to 100FX(MT-RJ)

AT-FS215-xx

2-port Fast Ethernet switch,
10/100TX to 100FX(VF45)

AT-FS216-xx

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

AT-FS217-xx

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

FIBER-TO-THE-HOME (FTTH)

FTTH networks provide broadband services to home users through a fiber-optic infrastructure. In the home, users require simple-to-install copper cables to transport Ethernet and Fast Ethernet among their computers, set-top boxes, Internet telephones, and other devices. The AT-FS210 Series of wall-mounted access switches provide the inter-connection needed between fiber-optic and copper cables. Because broadband service suppliers use a variety of fiber-optic connectors, Allied Telesyn created a wide-range of wall-mounted switches to ensure compatibility with any provider.

SIMPLE TO INSTALL

Installing these switches couldn't be easier. Secure the metal backing plate to the wall using two screws. Slide the switch into position onto the backing plate and anchor it with two more screws. Connect the fiber cable into one connector. Connect the power and copper cable into the other. The unit is ready to use. An integral cable tie bracket is included for the power supply to eliminate inadvertent disconnection, thus minimizing potential problems with the network.

UNIVERSAL CONNECTION

The wall-mounted access switches support both 10Mbps Ethernet and 100Mbps Fast Ethernet in either half- or full-duplex modes. Auto-negotiating to either speed guarantees compatibility with all user connected equipment. Users can also connect multiple PCs to access the broadband network via a hub or switch connected directly to the wall-mounted access switch.

KEY FEATURES

- Converts speed as well as media type
- Compact physical size
- Copper interface auto-senses MDI/MDI-X
- 4k MAC address tables
- Transparent to 802.1Q packets
- Support for Multi-Mode and Single-Mode fiber

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STATUS INDICATORS

Fiber Interface	Link/Activity LED No light - no link Steady Green - link but no traffic Flashing Green - link and activity
Copper Interface	Link/Activity LED No light - no link Steady Green - link but no traffic Flashing Green - link and activity
Speed	10/100Mbps Off - 10Mbps copper link Green - 100Mbps copper link

OPERATIONAL CHARACTERISTICS

Fiber Interface:

The fiber interface is set to Full-Duplex operation and can not be changed

Copper Interface:

The copper interface is equipped with auto-negotiation for speed and duplex. It also auto-senses MDI/MDIX

MAC Address Table 4k addresses

Forwarding/Filtering Rate

148,880pps for 100Mbps
14,880pps for 10Mbps

Latency 14.3µsec
(64 byte packet, 100Mbps full duplex)

FIBEROPTIC INTERFACE - MULTI-MODE

		Min.	Typical	Max.
Transmitter	Wavelength		1310nm	
	Output power (62.5/125µm)	-19dB	-16.8dB	-14dB
Receiver	Wavelength		1310nm	
	Sensitivity	-31.8dB	-34.5dB	-14dB (Saturation)

FIBEROPTIC INTERFACE - SINGLE-MODE (AT-FS212 FAMILY)

		Min.	Typical	Max.
100FX Single-Mode (15km)				
Transmitter	Wavelength		1310nm	
	Output power (9/125µm)	-15dB	-11.5dB	-8dB
Receiver	Wavelength		1310nm	
	Sensitivity	-31dB	-31dB	-8dB (Saturation)

POWER CHARACTERISTICS

Input Voltage (Auto Ranging):

External Power Supply	100-240vAC 50/60Hz +/-3%
Input Supply Voltage	3.3vDC +/- 5%
Max Current	1.5A
Power Consumption	6W

ENVIRONMENTAL SPECIFICATIONS

Operating Temp.	0°C to 50°C
Storage Temp.	-20°C to 80°C
Relative Humidity	5% to 80% non-condensing

PHYSICAL CHARACTERISTICS

Dimensions	22mm x 70mm x 90mm (.87" x 2.76" x 3.54")
Weight	294g (10.4oz)

ELECTRICAL/MECHANICAL APPROVALS

Safety	UL-Cul, CE-B compliant
EMC	FCC Class B

WARRANTY

Limited lifetime	(1 year on PSU)
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ORDERING INFORMATION

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AT-FS214-xx
2-port Fast Ethernet switch,
10/100TX to 100FX(MT-RJ)

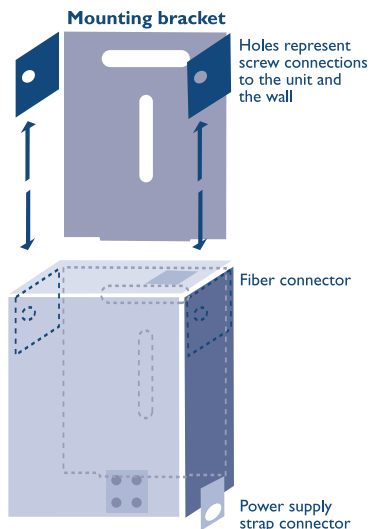
AT-FS215-xx
2-port Fast Ethernet switch,
10/100TX to 100FX(VF45)

AT-FS216-xx
2-port Fast Ethernet switch,
10/100TX to 100FX(LC)

AT-FS217-xx
2-port Fast Ethernet switch,
10/100TX to 100FX(FJ)

Where y = Multi-Mode fiber
= 1 Single-Mode fiber 15km

Where xx = 10 for U.S. power cord
= 20 for Europe power cord
= 30 for U.K. power cord
= 40 for Australia 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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