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AT-FS708

Unmanaged Fast Ethernet Switches

AT-FS708-xx
8 port 10/100TX unmanaged **'Green'** switch with internal power supply

ECO-Friendly

The AT-FS708 eco friendly switch conforms with Allied Telesis' commitment to environmentally friendly processes and products. It is designed to minimize power consumption through the use of a high efficiency power supply and a low power chipset.

With a low 3.5W typical power consumption*, and a reduction in power during after-work hours (overnight mode) – as well as other power saving features included as standard, the Allied Telesis AT-FS708 truly lives up to it's name as an 'eco friendly' switch.

Not only does this help the planet by reducing the carbon footprint of each switch, it also lowers the Total Cost of Ownership (TCO) to the user, as the product costs less to run, and has improved reliability.

With all of these power saving features, the new eco friendly AT-FS708 saves the user up to 20% in power consumption over our previous version (see power saving table).

High Performance

Providing powerful 10/100 switching solutions for desktop and small network environments, the Allied Telesis FS700 series of unmanaged switches features full auto-negotiating 10/100 ports. These ports enable the switches to detect the speed and duplex modes of attached devices, enabling them to automatically configure for the best possible performance.

Flexibility

Available as 5, 8, 16, or 24 port models, the FS700 series meets a multitude of power requirements with both internal and external power-supply options. Also, wall-, desk-, and rack-mounting options give users ultimate flexibility in selecting the model that meets their physical deployment requirements.

Simplified Installation

Fully auto-configuring FS700 series switches require minimal set-up by the user. Auto-sensing ports enable seamless and simple connectivity between existing 10Mbps Ethernet and 100Mbps Fast Ethernet UTP devices—and all units can be installed in minutes. Every FS700 series model is equipped with MDI/MDI-X ports for simple connection to other hubs and switches. Finally, easy to read front panel LEDs show ongoing switch status and simplify troubleshooting.

Quality and Reliability

Allied Telesis is a worldwide leader in unmanaged Ethernet switches. Shipping more than 250,000 unmanaged switches each year, Allied Telesis offers proven reliability and industry recognized quality.

Key Features

- 8 10/100TX ports
- Wirespeed technology
- Non-blocking architecture
- Auto-negotiation ports
- Auto MDI/MDI-X ports
- Transparent to VLAN packets
- Half and full-duplex flow control
- External or internal power supply option
- Sturdy metal case
- Rack-mountable

Power-saving Features

- Maximum switch power consumption - 4.11W
- Typical switch power consumption* - 3.5W
- Overnight mode - when PCs are powered off, the switch reduces power
- Power down mode
- Measure and minimize - checks the lengths of the cable and sends only enough power for specific cable length

* 6 ports connected with 3m cables.

AT-FS708 | Unmanaged Fast Ethernet Switches

Performance

14,800pps for 10Mbps Ethernet
148,000pps for 100Mbps Fast Ethernet

MAC addresses 1K

Packet buffer 768K

Half/full-duplex
Auto negotiation
Auto MDI/MDI-X on all ports

Interface Connections

10/100TX RJ-45

LEDs

Indication	Quantity	Color	Status
System Power	1	Green	Light ON : Power On Light OFF : Power Off
LINK/ACTIVITY	8	Green	Light ON : Good LINK Light blink : Network activity Light OFF : No LINK
100M	8	Green	Light ON : 100Mbit Light OFF : 10Mbit
FDX	8	Green	Light ON : Full-duplex Light OFF : Half-duplex

Power Saving % Chart

Ports	Status	Non-green vs Green Power Saving %	
		3m cable	100m cable
		AC side	AC side
Overnight mode		40.1%	41.3%
8 port	Only link, no traffic	17.0%	7.8%
	Smartbit, 100% utilization TX	16.5%	7.2%
7 port	Only link, no traffic	17.7%	8.5%
	Smartbit, 100% utilization TX	17.7%	8.8%
6 port	Only link, no traffic	19.1%	9.6%
	Smartbit, 100% utilization TX	19.0%	9.4%
5 port	Only link, no traffic	19.8%	11.4%
	Smartbit, 100% utilization TX	20.1%	12.4%
4 port	Only link, no traffic	22.9%	15.7%
	Smartbit, 100% utilization TX	22.1%	15.2%
3 port	Only link, no traffic	24.6%	19.0%
	Smartbit, 100% utilization TX	26.1%	20.2%
2 port	Only link, no traffic	29.3%	24.6%
	Smartbit, 100% utilization TX	29.4%	24.8%

Power Characteristics

Frequency 50 to 60Hz
3.3V/2A

Environmental Specifications

Operating temp. 0°C to 40°C (32°F to 104°F)
Non-operating temp. -25°C to 70°C (-13°F to 158°F)
Operating humidity 5% to 80% non-condensing
Storage humidity 5% to 95% non-condensing

Technical Specifications

Physical Characteristics

Dimensions 3.6cm x 24.9cm x 11.6cm (1.4" x 9.8" x 4.6")
Weight 0.9kgs (2.0lbs)

Wall-mount or Desktop

All units come with wall and 19" rack-mount brackets

Standards and Compliance

IEEE 802.3 10T Ethernet
IEEE 802.3u 100TX Fast Ethernet
IEEE 802.3x Flow control

Electrical/Mechanical Approvals

UL 1950
CSA 22.2 No. 950
FCC/EN55022 Class B
VCCI Class B
EN60950 (TUV)
EN55024
CE

Ordering Information

AT-FS708-xx
8 port 10/100TX unmanaged switch with internal power supply

Where xx =
10 for U.S. power cord
20 for no power cord
30 for U.K. power cord
40 for Australian power cord
50 for European power cord

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