

AT-FS708LE

Unmanaged Fast Ethernet Switch, Featuring Low Power Technology



AT-FS708LE-xx

8 port 10/100TX low power unmanaged 'Green' switch with external power supply

ECO-Friendly

The AT-FS708LE 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 2.0W typical power consumption*, an EnergyStar rated power supply, 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-FS708LE 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-FS708LE saves the user up to 59% 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 rackmounting 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 power supply
- Sturdy metal case

Power-saving Features

- Maximum switch power consumption - 2.5W
- Typical switch power consumption* - 2.0W
- External, EnergyStar rated power supply
- 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-FS708LE | Unmanaged Fast Ethernet Switches, Low Power Technology

Performance

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

Throughput 1.19Mpps
Switching capacity 1.6Gbps

MAC addresses Up to 4K

Packet buffer 256K

Interface Connections

10/100TX RJ-45

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

Power Characteristics

Frequency 50 to 60Hz
7.5vDC, 1A

EnergyStar compliant external power adapter

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

Power Saving % Chart

| Ports | Status | Non-green vs Green Power Saving % | | | |
|----------------|-------------------------------|-----------------------------------|---------|------------|---------|
| | | 3m cable | | 100m cable | |
| | | AC side | DC side | AC side | DC side |
| Overnight mode | | 59.2% | 16.1% | 59.9% | 19.9% |
| 8 port | Only link, no traffic | 34.6% | 26.2% | 25.8% | 15.6% |
| | Smartbit, 100% utilization TX | 34.1% | 25.6% | 25.2% | 18.7% |
| 7 port | Only link, no traffic | 35.3% | 26.7% | 26.4% | 16.8% |
| | Smartbit, 100% utilization TX | 35.3% | 25.4% | 26.7% | 16.6% |
| 6 port | Only link, no traffic | 36.6% | 28.2% | 27.5% | 17.6% |
| | Smartbit, 100% utilization TX | 36.5% | 26.9% | 27.3% | 16.8% |
| 5 port | Only link, no traffic | 37.3% | 27.5% | 29.2% | 18.3% |
| | Smartbit, 100% utilization TX | 37.9% | 28.8% | 30.2% | 20.6% |
| 4 port | Only link, no traffic | 40.3% | 28.5% | 33.4% | 21.2% |
| | Smartbit, 100% utilization TX | 39.5% | 30.1% | 32.9% | 23.8% |
| 3 port | Only link, no traffic | 41.9% | 29.9% | 36.5% | 23.3% |
| | Smartbit, 100% utilization TX | 43.4% | 31.4% | 37.7% | 26.9% |
| 2 port | Only link, no traffic | 46.4% | 30.8% | 41.9% | 26.6% |
| | Smartbit, 100% utilization TX | 46.5% | 34.7% | 41.9% | 29.3% |

Technical Specifications

Physical Characteristics

Dimensions 13cm x 7cm x 2.5cm
(W x D x H) (5.12" x 2.77" x 1.0")
Weight 0.266kgs (0.60lbs)

Wall-mount or Desktop

Units come with wall-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-FS708LE-xx

8 port 10/100TX low power unmanaged switch with external power supply

Where xx = 10 for US power adapter
20 for no power adapter
30 for UK power adapter
40 for Australian power adapter
50 for European power adapter

USA Headquarters | 19800 North Creek Parkway | Suite 100 | Bothell | WA 98011 | USA | T: +1 800 424 4284 | F: +1 425 481 3895

European Headquarters | Via Motta 24 | 6830 Chiasso | Switzerland | T: +41 91 69769.00 | F: +41 91 69769.11

Asia-Pacific Headquarters | 11 Tai Seng Link | Singapore | 534182 | T: +65 6383 3832 | F: +65 6383 3830

www.alliedtelesis.com

© 2008 Allied Telesis Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-000309 Rev.A