FS700 Series

Unmanaged Ethernet Switches

The Allied Telesis FS700 Series is the economical and eco-friendly solution for today's IT networks, providing an extensive range of cost-effective options.

Eco Friendly

The Allied Telesis FS700 Series of eco-friendly switches conforms with Allied Telesis' commitment to environmentally friendly processes and products. They are designed to minimize power consumption through the use of a high- efficiency power supply and a low-power chipset.

The FS700 Series supports Energy Efficient Ethernet (EEE), which automatically reduces the power consumed by the switch whenever there is no traffic on a port. This sophisticated feature can significantly reduce your operating costs by reducing the power requirements of the switch and any associated cooling equipment.

With low power consumption and a reduction in power during after-work hours (overnight mode) – as well as other power saving features included as standard, the FS700 Series truly lives up to its name as "eco-friendly" switches.

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 organization, as the product costs less to run, and has improved reliability.

High Performance

Providing powerful 10/100 switching solutions for desktop and small network environments, the 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. The PoE switches provide wall-mount, rack-mount and desktop options giving users their choice of deployment locations. Finally, easy-to-read front panel LEDs show ongoing switch status and simplify troubleshooting.

Key Features

- 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

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.

PoE

The FS708/POE and FS708LE/POE feature automatic detection and classification of an attached PoE device. These small form factor, unmanaged switches are the perfect solution for a wireless security or conference room application.

Specifications

Physical Specifications

PRODUCT	WIDTH	DEPTH	HEIGHT	MOUNTING	PSU	WEIGHT
FS705L	35 mm (1.40 in)	160 mm (6.30 in)	116 mm (4.60 in)	Wall/desktop	Internal	0.50 kg (1.10 lb)
FS705LE	116 mm (4.56 in)	70 mm (2.77 in)	25 mm (1.00 in)	Wall/desktop	External	0.22 kg (0.49 lb)
FS708	36 mm (1.40 in)	249 mm (9.80 in)	116 mm (4.60 in)	Wall/desktop/Rack	Internal	0.90 kg (2.00 lb)
FS708/POE	265 mm (10.40 in)	162 mm (6.40 in)	43 mm (1.70 in)	Wall/desktop/Rack	Internal	1.90 kg (4.20 lb)
FS708LE	130 mm (5.12 in)	70 mm (2.77 in)	25 mm (1.00 in)	Wall/desktop	External	0.27 kg (0.60 lb)
FS708LE/POE	171 mm (6.73 in)	98 mm (3.86 in)	29 mm (1.14 in)	desktop	External	0.43 kg (0.95 lb)
FS716L	184 mm (7.24 in)	124 mm (4.88 in)	44 mm (1.73 in)	Wall/desktop/Rack	Internal	0.80 kg (17.6 lb)
FS724L	280 mm (11.02 in)	180 mm (7.08 in)	44 mm (1.73 in)	Wall/desktop/Rack	Internal	1.59 kg (3.51 lb)

Performance

PRODUCT	THROUGHPUT	MAC ADDRESS	SWITCHING CAPACITY	PACKET BUFFER
FS705L	0.74Mpps	2K	1Gbps	384K
FS705LE	0.74Mpps	2K	1Gbps	128K
FS708	1.19Mpps	1K	1.6Gbps	768K
FS708/POE	1.19Mpps	8K	1.6Gbps	768K
FS708LE	1.19Mpps	4K	1.6Gbps	256K
FS708LE/POE	1.19Mpps	1K	1.6Gbps	96KB
FS716L	2.38Mpps	8K	3.2Gbps	160K
FS724L	3.57Mpps	8K	4.8Gbps	160K

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

LEDs

STATUS INDICATORS	LED	COLOR	DESCRIPTION	FS705L	FS705LE	FS708	FS708/POE	FS708LE	FS708LE/POE	FS716L	FS724L
System Power	Power	Green	Power on	■	■	■	■	■	■	■	■
		Off	Power off	■	■	■	■	■	■	■	■
Link/Activity	L/A / LINK / ACT	Green	Connected at 100Mbps							■	■
		Green (Blinking)	Activity at 100Mbps							■	■
		Amber	Connected at 10Mbps							■	■
		Amber (Blinking)	Activity at 10Mbps							■	■
		Green	Connected	■	■	■	■	■	■		
		Green (Blinking)	Activity	■	■	■	■	■	■		
		Off	No valid link	■	■	■	■	■	■	■	■
Speed	SPD / 100M	Green	Connected at 100Mbps	■	■	■	■	■	■		
		Off	Connected at 10Mbps	■	■	■	■	■	■		
Duplex	DPX / FDX	Green	Full-duplex mode	■	■	■	■	■		■	■
		Green (Blinking)	Collision							■	■
		Off	Half-duplex mode	■	■	■	■	■		■	■
PoE	PoE	Green	PoE device connected				■		■		
			PoE error (no power being supplied)				■ (Green Blinking)		■ (Red)		
		Off	No valid PoE device connected				■		■		

* Not all LED functions available on all switches

Power Characteristics

PRODUCT	FREQUENCY
FS705L	3.3V/2A
FS705LE	7.5vDC, 1A
FS708/POE	3.3V/2A
FS708LE	7.5vDC, 1A
FS708LE/POE	48V, 1A

* All models are 50 to 60Hz

FS716L

Voltage	100 ~ 240 VAC
Frequency	50/60 Hz
Max Power Consumption	4.67W

FS724L

Voltage	100 ~ 240 VAC
Frequency	50/60 Hz
Max Power Consumption	6.72W

FS708

Voltage	100 ~ 240 VAC
Frequency	0/60 Hz
Max Power Consumption	3.34W

PoE Power

FS708/POE

Power requirements	90-240V AC
Power consumption	90W max
PoE power	48vDC, 65W
Switch power	12vDC, 20W
AC voltage/frequency requirements:	100 - 240 VAC, 50/60 Hz
AC input power consumption:	Eco friendly mode enabled with no PoE power 6.4 W maximum

Eco-friendly mode enabled with max PoE power 79.2 maximum

PoE power
Available Power over Ethernet: 65 W @ 48vDC
IEEE 802.3af Class 3 (15.4 W): Max 4 ports
IEEE 802.3af Class 2 (7.3 W): Max 8 ports
IEEE 802.3af Mode: Alternative A (MDI)

FS708LE/POE

Power requirements	100 – 240V AC
Power consumption	39.2W max
PoE power	48vDC, 30W
AC voltage/frequency requirements:	100 - 240 VAC, 50/60 Hz

PoE power:
Available Power over Ethernet: 30W @ 48vDC
IEEE 802.3af Class 3 (15.4 W): Max 2 ports
IEEE 802.3af Class 2 (7.3 W): Max 4 ports
IEEE 802.3af Mode: Alternative A (MDI)

Interface Connections

10/100TX	RJ-45
1000MB SFP	(AT-FS708/POE only)

Standards and Compliance

IEEE 802.3 10T Ethernet
IEEE 802.3u 100TX Fast Ethernet
IEEE 802.3x Flow control
IEEE 802.3af Power over Ethernet, mode A (PoE units)

Electrical/Mechanical Approvals

UL 1950
CSA 22.2 No. 950 FCC/EN55022 Class B
VCCI Class B
EN60950 (TUV)
EN55024
CE
PoE units:
UL1950 TUV UL
C-Tick CE Mark FCC Part 15
CISPR 22
EN55022

Ordering Information

AT-FS705L-xx
5-port 10/100TX unmanaged switch with internal power supply

AT-FS705LE-xx
5-port 10/100TX low power unmanaged switch with external power supply

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

AT-FS708/POE-xx
8-port 10/100TX unmanaged PoE switch with 1 SFP

AT-FS708LE-xx
8-port 10/100TX low power unmanaged switch with external power supply

AT-FS708LE/POE-xx
8-port 10/100TX eco-friendly unmanaged PoE switch

AT-FS7161L-xx
16-port 10/100TX unmanaged switch with internal power supply

AT-FS724L-xx
24-port 10/100TX unmanaged switch with internal power supply

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

SFP Modules - AT-FS708/POE

AT-SPSX
1000SX GbE multi-mode 850 nm fiber up to 550 m

AT-SPLX10
1000LX GbE single-mode 1310 nm fiber up to 10 km

AT-SPLX40
1000LX GbE single-mode 1310 nm fiber up to 40 km

North America Headquarters | 19800 North Creek Parkway | Suite 100 | Bothell | WA 98011 | USA | T: +1 800 424 4284 | F: +1 425 481 3895
Asia-Pacific Headquarters | 11 Tai Seng Link | Singapore | 534182 | T: +65 6383 3832 | F: +65 6383 3830
EMEA & CSA Operations | Incheonweg 7 | 1437 EK Rozenburg | The Netherlands | T: +31 20 7950020 | F: +31 20 7950021

alliedtelesis.com

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