

AT-FS750/16

16 port Fast Ethernet WebSmart Switch

AT-FS750/16-xx

16 port 10/100TX WebSmart switch with 2 SFP combo ports

Performance

Allied Telesis' WebSmart switch integrates the simplicity of unmanaged switches with the performance and reliability of managed switches to provide a cost-effective solution for users to integrate management at the edge of their network. This WebSmart switch provides a network manager some key features using the simple web-based management function such as; port-based VLANs, IEEE 802.1p QoS, port trunking/link aggregation, port mirroring, priority queues and IEEE 802.1x security support. With support of up to 8K MAC addresses and a 512K packet buffer the AT-FS750/16 WebSmart switch is an ideal option for integrating management into your network solution.

Value

Never thought you could afford managed switches in your network? Always wanted to provide management functionality at the edge? Now's your chance. Allied Telesis' WebSmart switch truely helps network managers get the most value for their dollar. With industry standard protocols, fiber media support via the SFP's and simple Plug & Play usability right out of the box how can you go wrong implementing this cost-effective solution into your network?

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

VLAN
- VLAN ID's available: 4K
- Max VLANs: 200 tagged + 56 port-based

Quality of Service Classification
- IEEE 802.1p tagging
- Port-based priority
- Four priority queues per port

IP Multicast Support (IPv4)
- IGMP snooping (v1/v2)
- Static multicast group

- Spanning-Tree, IEEE 802.1d/w

IEEE 802.3ad Link Aggregation
- Manual

IEEE 802.1x Port-based and MAC-based Network Access Control
- Local authentication server (MD5 only)
- Remote authentication through RADIUS
- Dynamic VLAN assignment

- RADIUS client for IEEE 802.1x

- DHCP client

- Statistics charts in Web

- Jumbo frames - up to 9K

Others
- IEEE 802.3x flow control or *HOL blocking Prevention (*when flow control is off)

- Port mirroring

- Destination MAC filtering

- Ingress/egress rate limiting

- Broadcast storming control

- 100FX SFP support

- Switch fabric - non-blocking, full wirespeed

Management Features

- Firmware upgrade by TFTP and Web

- Configuration back-up/restore by FTP

- Factory reset

- Password access control and restricted IP access list

- SNMPv1/v2c

MIBs
- RFC 1213 MIB-II
- RFC 1643 Ethernet MIB
- RFC 1493 Bridge MIB
- Private Enterprise MIB (Allied Telesis provides the spec)

RMON Groups (1, 2, 3, 9)
- Stats
- History
- Alarms
- Events

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Performance

14,880pps for 10Mbps Ethernet
148,800pps for 100Mbps Ethernet
1,488,000pps for 1000Mbps Ethernet

MAC addresses	8K
VLAN ID's available	4K
Max VLANs	200 tagged + 56 port-based
Multicast	Up to 32 static multicast groups
Flash	4MB
SDRAM	16MB
Switch memory	2MB embedded
Packet buffer	256KB
Switching capacity	7.2Gbps
Throughput	5.4Mpps

Power Characteristics

Voltage	100-240V AC
Frequency	50/60Hz

Interface Connections

10/100/TX	RJ-45
1000T	RJ-45
SFP	100FX, 1000SX, 1000LX, 10/100/1000T

Environmental Specifications

Operating temp.	0°C to 45°C (32°F to 113°F)
Non-operating temp.	-20°C to 70°C (-4°F to 158°F)
Operating humidity	5% to 90% non-condensing
Storage humidity	5% to 95% non-condensing
Vibration	IEC 68-2-36
Shock	IEC 68-2-29
Drop	IEC 68-2-32

Technical Specifications

Physical Characteristics

Dimensions (W x D x H)	35.2cm x 25.6cm x 4.32cm (13.9 x 8.5 x 1.7 in)
Weight	2.38kg (5.25 lbs)

Wall-mount or Desktop

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

Standards and Compliance

IEEE 802.3	CSMA/CD
IEEE 802.3i	10T
IEEE 802.3u	100TX
IEEE 802.3z	1000SX/LX
IEEE 802.3z/ab	1000T
IEEE 802.3x	Flow control
IEEE 802.1p	Prioritization (four queues)
IEEE 802.1x	Authentication
IEEE 802.1d	Bridging
IEEE 802.3ad	Link aggregation
IEEE 802.1Q	Tagged VLAN
IEEE 802.1d/w	Spanning-Tree Rapid Spanning-Tree

Electrical/Mechanical Approvals

UL 1950
FCC/EN55022 Class A
VCCI Class A
C-Tick
EN60950 (TUV)
EN55024
CE
CSA / CUL

MTBF

187,805 hours
Bellcore TR332

Ordering Information

AT-FS750/16-xx
16 port 10/100TX WebSmart switch with 2 SFP combo ports

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

Product Contents

Switch unit
Rack-mount brackets and screws
Power cord
User manual/install guide on CD
Rubber feet

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

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