

Atrie S1916M Manageable Switch

Feature List

Atrie Communication Technology Co., Ltd

Atrie S1900M Series SNMP Managed Switch

Atrie S1916M Series is a SNMP manageable switch; it provides 16 ports 100M and 100M Expansion Slot (only for S1916ME model), supports SNMP and Web management, also RMON and IGMP, Port VLAN and Tag VLAN, and MAC Address Binding. Featuring high-performance, easy to use and competitive price, the series is an ideal solution for workgroup and smart district. Switch should be interpretable with CISCO.



Atrie S1916M SNMP Model



Atrie S1916ME SNMP Model

Features

Interface

- Fully compliant with IEEE802.3 standard.
- 16 10/100BaseT/TX RJ-45 ports with auto-MDI/MDIX.
- 1 * 100M Expansion Slot(only for S1916ME Model)

Performance

- 3.2Gbps switch fabric, dedicated ASIC for switching
- 2.7Mpps wire-speed forwarding rate for 220-byte packets.

Security and reliability

- Local security policy restricts illegal access
- IEEE 802.1x port-based user authentication
- Port trunking adds to bandwidth and redundancy

Easy maintenance

- Automatic recognition for straight-through or cross-over cables
- Stackable through cluster technology. Central management with unified IP address saves IP addresses
- Management via SNMP and Web.
- Management via CLI(only for S1916ME Model)

Traffic and broadcast control

- Auto-detection and restraining of broadcast storm, IGMP snooping, effectively restrict broadcast flooding
- Full- and half- duplex traffic control
- Advanced buffer management, 802.1p support. 4 dispatching queues per port, mapping the 8 priority queues in 802.1p
- IP multicast and QoS support

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Specifications

SWITCH FABRIC	3.2 GBPS
Switching Mode	Store-and-forward
MAC Address Table Size	8K
Queuing Buffer	8MB
Dimensions (L × W × H)	340 mm × 200 mm × 44 mm
Power Supply	AC 110 ~ 240 V, 47 ~ 63 Hz, 1A/230V
LED Indicators	Power, system, link, activity, 10/100M
Temperature	Operating: 0 ~ 50°C, non-operating: -40 ~ 70°C
Humidity	0 ~ 90% (no condensing)
Functions	
Spanning Tree	IEEE 802.1D STP, link path backup, IEEE 802.1w RSTP
VLAN	Port-based VLAN, 802.1Q tag VLAN
Traffic Control	Back pressure at half-duplex, 802.3X at full-duplex, port rate limiting: 1M step size.
Broadcast Control	Stop sending at threshold to restrict broadcast storms
Multicast Control	IGMP snooping
Port Trunking	Up to 8 groups with up to 4 ports per group, dynamic LACP aggregation
Security	IEEE 802.1x port-based user authentication, RADIUS
QoS	4 dispatching queues per port, mapping the 8 priority queues in 802.1p
Network Management	SNMPv1 and SNMPv2c. SNMP MIB-II, Ethernet-like MIB, and Bridge MIB. RMON statistics, history, and alarm and event group. SNMP, Web and Telnet/Console management
Software Upgrade	Software backup and restore by TFTP and WEB
Configuration Upload/download	Configuration backup and restore by TFTP and WEB

Order Information

Model	Description
Atrie S1916M	16 100M Ethernet ports SNMP Manageable switch
AtrieS1916ME	16 100M Ethernet ports + 1 100M Slot SNMP Manageable switch
1FE-FX-MM	1-port 100-M Multi-mode 1310 nm, 2 km, SC interface Optical Module
1FE-FX-SM	1-port 100-M Single-mode 1310 nm, 10km, SC interface Optical Module



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