

Atrie S1912M Manageable Switch

Feature List

Atrie Communication Technology Co., Ltd

Atrie S1900M Series SNMP Managed Switch

Atrie S1912M model is a SNMP manageable switch; it provides 12 100M Ethernet ports, 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 S1912M SNMP Model

Features

Interface

- Fully compliant with IEEE802.3 standard.
- 12 10/100BaseT/TX RJ-45 ports with auto-MDI/MDIX.

Performance

- 2.4Gbps 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.

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

Specifications

SWITCH FABRIC	2.4 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 S1912M	12 100M Ethernet ports SNMP Manageable switch



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