

ATS-3950 Series L2/L4 Intelligent Access Switches

Product Overview

ATS-3950 series include the following types: ATS-3950 -26C, ATS-3950 -28C, ATS-3950 -28CT-POE and ATS-3950 -52C. To providing high performance in security and operation, ATS-3950 series is an excellent choice as access layer switch for education, government and large/medium enterprise networks. Stacking and various port combination based on fixed uplink ports help to ease the users' network construction. As switch for new generation network, ATS-3950 series addresses powerful security features. ACL efficiently prevents viruses attack and DOS, DDOS intruding from damage of itself and even core or aggregation layer equipments. Full hardware forwarding and ASIC based ACL policy ensure no effect on normal data when viruses overrun all over the network.



ATS-3950-26C



ATS-3950-28C



ATS-3950-52C



ATS-3950-28CT-POE

Configuration

ATS-3950 -26C has 2 fixed Combo Gigabit uplink ports allowed to be used as either copper or fiber ports on users' demand. ATS-3950 -28C and ATS-3950 -52C has 4 fixed Combo Gigabit uplink ports allowed to be used as either copper or fiber ports on users' demand. ATS-3950 -28CT-POE all FE port can support POE feature with full 15.4W power output.

□ Powerful ACL

As new L2 switch, ATS-3950 series adopts full ACL policy undertaking data classification and employing specific forwarding policy on a per-packet basis by source or destination IP address source or destination MAC address, TCP/UDP port number, IP precedence, time range and ToS. Implemented ACL policy, users can filter out virus packets such as Blaster, Code Red at the access layer preventing core equipments from being affected or attacked.

□ Enhanced Security

Full limited multicast policy is able to actualize IGMP based ports inspection technology at the edge by effective security control on source and destination ports, roundly protect the up building and stable operating of legal multicast application in the network, and entirely assure switch and server safety through monitoring ping Sweep attack, anti-scanning and taking preventing measures.

□ Network Protocols Supported

ATS-3950 series supports 802.1d/w/s spanning tree protocol, 802.1Q, 802.1p, 802.3ad, 802.3x, GVRP, DHCP standards, and support SNTP to achieve auto-synchronization.

ANDA Telecom Pvt. Ltd.

ISO 9001:2000 Certified Company

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 93 502 57173

E-mail : Info@andatelecomindia.com

URL : www.andatelecomindia.com



ISO 9001:2000 Certified Company

Specification

Item	ATS-3950-26C	ATS-3950-28C	ATS-3950-52C
Fixed Port	24*10/100Base-TX + 2*100M/Gigabits Combo(SFP/GT)	24*10/100Base-TX + 4*100M/Gigabits Combo(SFP/GT)	48*10/100Base-TX + 4*100M/Gigabits Combo(SFP/GT)
Switching Fabric	19 Gbps	19Gbps	19.6Gbps
Switching	6.6Mpps	9.6Mpps	13.2Mpps
Maximum Gigabit ports	2	4	4
MAC ADDRESS	8k	8K	8K
ACL TABLE	1k	1K	1K
Queues per port	8 for Gigabits ports, 4 for 10/100M ports	8 for Gigabits ports, 4 for 10/100M ports	8 for Gigabits ports, 4 for 10/100M ports
VLAN TABLE	4k	4K	4K
Dimension (W×H×D)	440mm * 171.2mm * 43 mm	440mm * 171.2mm * 43mm	440mm * 229mm * 44mm
Relative Humidity	5% ~ 95%, non-condensing		
Operating Temperature	0°C ~ 50°C		
Power Supply	AC: 100~240 V AC, 50/60 Hz (internal AC power supply)		
Power Consumption	≤30W		
MTBF	>80,000 hours		
Item	ATS-3950-28CT-POE		
Fixed Port	24*10/100Base-TX + 2* 100M/Gigabits Combo(SFP/GT) + 2*10/100/1000Base-T		
Switching Fabric	18.8Gbps		
Switching	9.6Mpps		
Maximum Gigabit ports	4		
MAC Address Table	8K		
VLAN Table	4K		
Dimension (W×H×D)	440mm * 171.2mm * 43 mm		
Power Supply	Input: 100~240 V AC		
PoE	Support 24 ports PoE and each port can support max 15.4W		
Power Consumption	≤400W		
Relative Humidity	5% ~ 95%, non-condensing		
Operating Temperature	0°C ~ 50°C		
MTBF	>80,000 hours		

ANDA Telecom Pvt. Ltd.

ISO 9001:2000 Certified Company

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 93 502 57173

E-mail : Info@andatelecomindia.com

URL : www.andatelecomindia.com



ISO 9001:2000 Certified Company

Feature	ATS-3950 Series
Forwarding	Storage and Forwarding
IPv4 and IPv6 dual stack	Support IPv4 and IPv6
Stacking and cluster	Support max 24 unites cluster with single IP manage
Spanning Tree	802.1d (STP) 、 802.1w (RSTP) 、 802.1s (MSTP) with 4 instance
	Support Root guard and BPDU gurad
	Support BPDU forwarding
Multicast Protocol	IGMP v1/v2/v3 and IGMP v1/v2/v3 snooping
	Multicast Vlan Register
	Multicast receive control
	Illegal multicast source detect
QoS	4 queues per FE port and 8 queues per GE port,
	support 802.1p, ToS, application ports number, DifferServ,
	support WRR/SP
ACL	Support standard ACL & extended ACL, support IP ACL、 MAC ACL、 IP-MAC ACL,
	support data packet filtering on the basis of source/destination IP address, source/destination MAC address, IP type, TCP/UDP port number, IP precedence, time range, ToS.
Enhanced Security Feature	Monitor attacks of pingSweep,
	take anti-attack measures,
	prevent illegal multicast source and limited multicast.
	Support ARP binding, ARP guard and anti-ARP scan
Bandwidth Management	At least 64Kbps step
Port	Jumbo support
MAC Operation	Support port/MAC auto-binding, support MAC filtering, support MAC limit per port
VLAN Type	Port-based/802.1Q protocol, support GVRP, PVLAN, 802.1v, support voice vlan, MAC vlan, Support QinQ and Slective QinQ
	Support max 4 IP IF setup
Flow Control	Support HOL preventing first packet congestion, backpressure, full-duplex IEEE802.3x
Smart link	Support smart link/ monitor link(like flexible link)
DHCP	Support DHCP server/Client
	Support DHCP relay and DHCP relay option 82
	Support DHCP snooping and DHCP snooping option 82

ANDA Telecom Pvt. Ltd.

ISO 9001:2000 Certified Company

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 93 502 57173

E-mail : Info@andatelecomindia.com

URL : www.andatelecomindia.com



ISO 9001:2000 Certified Company

Port Aggregation	Support 802.3ad. To the maximum, support 6 group trunks and 8 ports per trunk, support destination MAC based load balancing
IEEE802.1x	Support port/MAC address based DC 802.1x integrated solution enable to implement strict binding of user ID, password, IP, MAC, VLAN, ports and switch, prevent agent software, PC clone, unwanted message/advertisement to user, dynamically actualize user based VLAN authentication and bandwidth authentication and actualize group based dynamic IP address distribution. Can achieve accounting on basis of time/flow. Support TLS, PEAP, MD5
MAB	Support MAC based AAA
AAA	Support RADIUS and TACACS+
Port Mirror Image	Support one to one and any to one mirror
Broadcast Storm Control	Support broadcast pass permission rate can be set
Network Standards Supported	IEEE802.1D IEEE 802.3 IEEE 802.3u IEEE802.3ad IEEE 802.3x IEEE 802.3z IEEE802.1Q IEEE 802.1p IEEE 802.1x IEEE802.1w IEEE 802.1s etc.
Network Management	
Management Interface	CLI, WEB
Console	RJ-45
Telnet	support Server/Client
SNMP	v1, v2, v3
System Log	Support syslog and trap
Configuration Management Classification	support
SSH/SSL	support
RMON	1, 2, 3, 9
MIB access	provide
Security IP	support
Others	
SNTP/NTP	support
BOOTP	support
FTP/TFTP	support

□ **Advanced Quality of Service (QoS)**

ATS-3950 series differentiates and classifies traffic flows according to ports, 802.1p, ToS, DSCP, TCP/UDP ports, and assigns specific service hierarchy. The dispatcher WRR/SP supported by ATS-3950 ensures voice/data/video are properly classified and prioritized throughout the network.

□ **Simple Management**

ATS-3950 series supports SNMP, in-band and out-band management, CLI and WEB interface, RMON, Security IP function. All help to restrict unauthorized user from access and altering configurations. SSH protocol guarantees security of switches configuration management to the maximum.

ANDA Telecom Pvt. Ltd.

ISO 9001:2000 Certified Company

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 93 502 57173

E-mail : Info@andatelecomindia.com

URL : www.andatelecomindia.com