

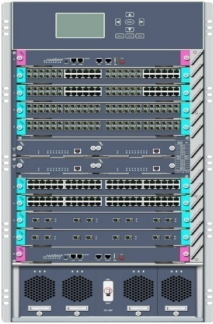



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AT S9600 series is 10Gbit multiservice core routing switch, which is a new generation developed by ANDA Telecom, featuring high capacity, high density, high performance and multiservice. It provides distributed processing, modular structure and non-blocking switching matrix architecture, supports rich features of IPv6 and MPLS, hardware extend forwarding table and security rules table entry ranging from L2 to L4. AT S8500 series is the value-for-money, flexible and reliable core routing switch for MAN, large campus network and data center.

AT S9600 series is composed of S9608 and S9604

Specification

Model	ATS9608	ATS9604
Feature		
Hardware Feature		
Product image		
Dimension (H*W*D)	844mm × 482mm × 500mm	635mm × 482mm × 500mm
Weight	≤95kg	≤50kg
MCU slot quantity	2(horizontal slot)	
FSU slot quantity	4(horizontal slot)	2(horizontal slot)
Service slot quantity	8(horizontal slot)	4(horizontal slot)
PSU slot quantity	4(horizontal slot)	
Port	Supports FE port Supports GE port Supports 10GE port	
Management port	1 x RS232 console 1 x 10/100Base-TX(OOB management)	
Output voltage	AC: 187V~242V 4.3A DC: -40V~-57V 20A	
Maximum power consumption	3000W	2000W
Operating temperature	0 ~ 45° C	

ANDA Telecom Pvt. Ltd.

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Relative humidity	10 ~ 90%(non-condensing)	
Service Feature		
Architecture	Distributed forwarding based on high performance ASIC	
Switching capacity	2048Gbps	1024Gbps
Forwarding performance	960Mpps	288Mpps
Routing table capacity	1000K	
Forwarding table capacity	128K	
MAC forwarding table	32K(type A line card)	
Port feature	Supports IEEE802.3x flow control(full duplex) Supports broadcast storm suppression based on port rate percentage Supports broadcast storm suppression based on port pps	
Port aggregation	Supports manual aggregation Supports LACP aggregation Supports load balance based on source/destination MAC Supports load balance based on source/destination IP Up to 8 ports in each aggregation GE group Up to 4 ports in each aggregation 10GE group	
VLAN feature	Supports VLAN based on port(4000) Supports VLAN based on 802.1Q Supports VLAN/frame filtering Supports PVLAN, Super VLAN	
IP application	Supports DHCP snooping, DHCP relay, DHCP server Supports DHCP snooping option82 Supports DHCP relay option82 Supports DHCPv6 server/client Supports ARP proxy Supports DNS proxy and DNS transparent proxy	
IPv4 unicast	Supports static routing, ECMP, policy routing Supports dynamic routing: RIPv1/v2, OSPFv2, BGP-4	
IPv4 multicast	Supports IGMP Snooping Supports IGMP v2/v3 Supports PIM-DM, PIM-SM, SSM, MSDP, MBGP	
IPv6 protocol stack	Supports ND(Neighbor Discovery) Supports stateless autoconfiguration Supports DAD Supports PMTU discovery Supports IPv6-Ping/IPv6-Tracert/IPv6-Telnet/IPv6-TFTP Supports manual configuration of Tunnel, 6to4 tunnel, ISATAP, GRE and 6PE	

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IPv6 unicast	Supports static routing, ECMP, policy routing Supports RIPng, OSPFv3, IS-ISv6, BGP4+, VRRPv3
IPv6 multicast	Supports MLD Snooping, MLD Supports PIM-SM/DM for IPv6, SSM for IPv6
MPLS	Supports inter-AS/intra-AS MPLS
Expanded routing protocol	Supports OSPF/BGP multi-topology routing(MTR) Supports performance routing(PFR)
L2 ring network feature	Supports STP, RSTP, MSTP Supports loop-detection
Mirroring	Supports N: 1 port mirroring Supports N: 4 port mirroring Supports data flow mirroring Supports local port mirroring(LSPAN) Supports remote port mirroring(RSPAN) Supports remote routing port mirroring(ERSPAN) Supports mirroring based on VLAN/ACL/port
QoS	Supports MPLS QoS, HQoS and multicast QoS Supports rate-limit on egress direction Supports IP DSCP/IP precedence mapping Supports split-flow based on source/destination MAC, source/destination IP, source/destination port and protocol number Supports split-flow based on IP Precedence, DSCP and input interface Supports rate-limit based on CLASS-MAP Supports traffic shaping Supports 802.1p, IP Precedence, DSCP retagging of packet Supports port queue scheduling mode
ACL	Supports ACL based on source and destination MAC Supports ACL based on source/destination IPv4/IPv6 Supports ACL based on source/destination port Supports ACL based on protocol number and VLAN Supports ACL based on time range Supports ACL based on illegal frame filtering Supports ACL apply on Ingress and Egress directions Supports ACL apply based on VLAN and interface VLAN Supports ACL apply based on Switch port and IP port
Reliability	Supports MCE hot backup Supports FSU hot backup Supports PSU hot backup Supports single board hot swap Supports VRRP, Graceful Restart for OSPF/BGP/IS-IS
Security	Supports hierarchical management and password protection of users,

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	<p>SSH2.0</p> <ul style="list-style-type: none"> Supports MAC address black hole Supports MAC address learning limit Supports MAC+IP+PORT+VLAN binding Supports IEEE 802.1x authentication, AAA authentication and Radius authentication Supports global static MAC table Supports source IP protection, port isolation Supports local-access group technique to defend DDOS attack effectively Supports TCP SYN flood attack defending Supports authorized address login through telnet Supports limit of bandwidth to CP Supports TCP concurrent session limit Suppresses forwarding of directional broadcast Suppresses forwarding of message contains source routing Supports MSTP BPDU guard, loop guard, root Guard and PBPU skewing Supports IPv4/v6 urpf(loose/strict) Supports dynamic detection of ARP, DHCP message, ND message and DHCPv6 snooping
<p>Management and maintenance</p>	<ul style="list-style-type: none"> Supports GUI management system Supports FTP/ TFTP load update, Xmodem load update Supports configuration through command line interface(CLI), telnet, console Supports testing command: ping, traceroute, multicast traceroute Supports SNMP v1/v2, SNMP v3 Supports RMON (Remote Monitoring)1/2/3/9 groups of MIBs Supports local SYSlog: system log, hierarchical alarms, debugging information output Supports remote SYSlog: system log, hierarchical alarms, debugging information output Supports NTP server/client Supports Netflow

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