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AT-S5110 is L2+ full Gigabit switch, covering all kinds of enterprise customers. AT-S5110 provides 10/16/28\*10/100/1000Base-T or 1000Base-X SFP for the demand of cost-effective Gigabit access / aggregation. It adopts high performance processor to provide full speed forwarding and line-dormant capacity to offer custom multitudinous service features. Moreover, AT-S5110 supports multiple configuration modes (such as SNMP, Telnet, Web, Console, etc) to make it easy for network management and maintenance. Last but not least, AT-S5110 offers the most flexible port combination form to facilitate user operations.



- 24 \* 100/1000BaseT
- 4 \* SFP+ Slot
- 16K MAC address
- AC: 220
- 440mm \*230mm \*44mm

### Product Specification:

Switching Capacity	128Gbps
Forwarding Capacity	95 Mpps
Memory and Storage	128M DDR and 16M FLASH
Power Supply	AC: 90 ~ 260V, 50 ~ 60Hz ;
Power Consumption	≤20W
Lightning Protection	Port lightning protection 4KV
Dimensions (Width x Depth x Height)	440*230*44mm
Weight (Full-Loaded)	≤3kg
Environmental Requirements	Working temperature: -10°C ~ 60°C Storage temperature: -40°C ~ 70°C Relative humidity: 10% ~ 90%, non-condensing

### ANDA Telecom Pvt. Ltd.

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**Product Feature:**

Item		ATS-5110-/28TC
L2 Features	MAC	16 K MAC MAC Black Hole Port MAC Limit
	VLAN	4K VLAN entries Port QinQ PVLAN to realize port isolation and saving public-vlan resources GVRP
	Spanning Tree	STP/RSTP/MSTP Remote loop detecting
	Port	Bi-directional bandwidth control Static link aggregation and LACP(Link Aggregation Control Protocol) Port mirroring
Security Feature	User's Security	Anti-ARP-spoofing Anti-ARP-flooding IP Source Guard create IP+VLAN+MAC+Port binding Port Isolation MAC address binding to the port and MAC address filtering IEEE 802.1x and AAA/Radius authentication
	Device Security	Anti-DOS attack(such as ARP, Synflood, Smurf, ICMP attack), ARP detection, worm and Msblaster worm attack SSHv2 Secure Shell SNMP v3 encrypted management Security IP login through Telnet Hierarchical management and password protection of users
	Network Maintenance	Dynamic ARP table-based binding IP+VLAN+MAC+Port binding

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Layer 3		<p>L2 to L7 ACL flow filtration mechanism on the 80 bytes of the head of user-defined packet</p> <p>Port-based broadcast/multicast suppression and auto-shutdown risk port</p> <p>DHCP Option82 and PPPoE+ upload user's physical location</p> <p>Static Route, RIPV1/V2</p>
Service Features	ACL	<p>270 standard and extended ACLs</p> <p>Time Range ACL</p> <p>Flow classification and flow definition based on source/destination MAC address, VLAN, 802.1p, ToS, DiffServ, source/destination IP(IPv4/IPv6) address, TCP/UDP port number, protocol type, etc</p> <p>packet filtration of L2 ~ L7 deep to 80 bytes of IP packet head</p> <p>ACL flexible control in the phases of vlan-lookup, ingress, egress</p>
	QoS	<p>Rate-limit to packet sending/receiving speed of port or self-defined flow</p> <p>Packet mirror and redirection of interface and self-defined flow</p> <p>Priority remark to port or self-defined flow and provide 802.1P, DSCP priority and Remark</p> <p>Super queue scheduler based on port or self-defined flow. Each port flow supports 8 priority queues and scheduler of SP, WRR, SP+WRR, etc.</p>
	Multicast	<p>IGMPv1/v2/v3 Snooping</p> <p>IGMP Filter</p> <p>MVR and cross VLAN multicast copy</p> <p>IGMP Fast leave</p> <p>IGMP Proxy</p>
Reliability	Loop Protection	<p>EAPS\ERPS\PVST and GERP (recover-time &lt;50ms)</p> <p>Loopback-detection</p>

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	Link Protection	FlexLink (recover-time <50ms) RSTP/MSTP (recover-time <1s) LACP (recover-time <10ms)
	Device Protection	Double fault-tolerant backup of host program and configuration files
Maintenance	Network Maintenance	Port real-time, utilization and transmit/receive statistic based on Telnet LLDP 802.3ah Ethernet OAM RFC 3164 BSD syslog Protocol Ping and Traceroute
	Device Management	CLI, Console port, Telnet and WEB SNMPv1/v2/v3 RMON (Remote Monitoring)1,2,3,9 groups MIB NTP

**Purchase Information:**

Product name	Product description
AT5110-28TC	24*1000Base-T+4*1/10G SFP + SSlot Power Supply 100~240V AC -

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