

ATS-5110-16P2S is L2 full-Gigabit switch, covering all kinds of enterprise customers. ATS-5110 provides 16*10/100/1000Base-T PoE or 2*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 customs multitudinous service features. Moreover, ATS-5110-16P2S supports multiple configuration modes (such as SNMP, Telnet, Web, Console, etc) to make it easy for network management and maintenance. Last but not least, ATS-5110-16P2S offers the most flexible port combination form to facilitate user operations.

ATS-5110-16TC



- 16*10/100/1000Base-T with POE power supply
 - 2* BaseX SFP or 100/1000M BaseT)
 - 16K Jumbo, 8K MAC address, 4K VLAN, QinQ
 - 256ACL with IP+MAC+Port+VLAN binding
 - Full-loaded power consumption< 30W(without POE supply)
 - POE supply satisfy 802.3af and 802.3at
 - Max power consumption supply of single port is 32W
 - Maximum POE power consumption is 240W
- 440mm(W)*359mm(D)*44mm(H)

Product Specification:

Item	ATS-5110-16P-2S
Switching Capacity	36Gbps
Forwarding Capacity	20 Mpps
Memory and Storage	64M 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
Environmental Requirements	Working temperature: -10°C ~ 50°C Storage temperature: -40°C ~ 70°C Relative humidity: 10% ~ 90%, non-condensing

ANDA Telecom Pvt. Ltd.

ISO 9001:2000 Certified Company

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Product Feature:

Item		ATS-5110-16P2S
L2 Features	MAC	8K 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
POE features		Satisfy 802.3af and 802.3at standard, max power consumption supply of single port is 32W
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	Dynamic ARP table-based binding

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	Maintenance	<p>IP+VLAN+MAC+Port binding</p> <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>
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 <50ms)</p> <p>Loopback-detection</p>
	Link Protection	<p>FlexLink (recover-time <50ms)</p> <p>RSTP/MSTP (recover-time <1s)</p> <p>LACP (recover-time <10ms)</p>

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	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
AT5110-16P-2S	16*1000BaseT-PoE (802.3af/at) +2 * SFP Slot (100~240V AC)

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