ATS – 2900 – 8020

PRODUCT OVERVIEW: -

ANDA TELECOM switches are next-generation intelligent PoE access switches crafted for carrier IP MAN and enterprise networks. Leveraging cutting-edge high-performance hardware and the ANDA platform, these switches offer features like ACL, QinQ, and QoS. Their user-friendly management and versatile installation options make them suitable for even the most complex scenarios

ANDA TELECOM switches support the carrier-level Ethernet ring protection protocol with a recovery time of less than 50ms, along with STP/RSTP/MSTP, backup uplink ports, and LACP link aggregation to meet carriers' high reliability requirements. These switches offer robust ACL capabilities to access and control L2-L7 data based on physical ports, providing carriers with flexible and diverse policy control methods. ANDA TELECOM switches also support In-Service Software Upgrade (ISSU) to ensure continuous data forwarding during system upgrades. Additionally, they support various L2 multicast functions such as IGMP snooping, fast-leave, and MVR to fully satisfy the operational needs of carrier IPTV.

PRODUCT CHARACTERISTIC: -

Intelligent POE

ANDA Telecom PoE switches adhere to the IEEE 802.3af/at PoE standards and can deliver up to 370W of PoE+ power. They feature continuous PoE power supply, maintaining power during switch reloads. The switches offer both manual and dynamic PoE power allocation and provide up to 2KV of surge protection for PoE ports and the power supply.

Security

Equipment-Level Security: The advanced hardware design of ANDA TELECOM switches features level-based packet scheduling and protection, defending against DoS and TCP-related SYN Floods, UDP Floods, broadcast storms, and large traffic attacks. It also includes level-based command line protection, allowing different management permissions for various user levels. The switches are equipped with robust security authentication mechanisms such as IEEE 802.1x and RADIUS. They support storm, multicast, and unicast traffic limits to maintain reliable performance in challenging network conditions. Additionally, the ANDA TELECOM series offers an advanced ring detection mechanism for long-term network stability, as well as port isolation within the same VLAN, DHCP Snooping, and IP + MAC + Port binding for enhanced security and control.

Quality of service

ANDA Telecom switches support priority retagging and advanced flow classification based on VLAN, MAC address, source address, destination address, IP, or priority, enhancing the management of carrier services. They offer flexible bandwidth control policies, including port- and flow-based limits, to ensure optimal line speed forwarding on each port. Additionally, these switches support various queue scheduling algorithms such as SP , WRR, and a combination of SP + WRR.

TECHNICAL SPECIFICATIONS: -

ITEM	ATS-2900-8020
Interface	8 GE PoE ports, 2 100/1000M SFP ports
Console	1 RJ45 port, 1 RST button
Backplane	20 Gbps
Forwarding rate	15 Mpps

Power consumption full load	142.5 W
Power supply AC: 100V-240V, 50Hz±10%	150W
Noise@25°C(dBA)	0
POE Power Budget	130 W
MTBF(H)	>50,000
Forwarding mode	Store-forward
MAC	8K
Buffer size (Mb)	4.1
Jumbo frame	9K
Total SVI	10

FEATURES: -

▪ VLAN	▪ 4K Active VLAN ▪ QinQ & Selective QinQ ▪ GVRP, Private VLAN ▪ Voice VLAN
▪ Qos	▪ CAR, HQoS, MAC/IP/TCP/UDP/ VLAN/COS/DSCP/TOS based ▪ QoS,802.1P/DSCP priority relabeling, SP, WRR, and "SP+WRR" ▪ Tail-Drop, WRED, flow monitoring and traffic shaping
▪ Spanning Tree	▪ 802.1D (STP) ▪ 802.1W (RSTP) and 802.1S (MSTP) ▪ BPDU guard, root guard and loopback guard
▪ Multicast	▪ IGMP v1/2/3 ▪ IGMP Snooping ▪ IGMP Fast Leave ▪ IGMP Filter ▪ MVR
▪ IP	▪ Static route ▪ IP v4/v6 dual stack ▪ DHCP Server/Client/Relay
▪ Reliability	▪ Static/LACP link aggregation, ▪ Interface backup ▪ EAPS and ERPS ·ISSU
▪ Management	▪ Console, Telenet, SSH, v1/2, HTTP, HTTPS, ▪ SNMP v1/v2/v3 RMON ▪ TFTP, FTP, SFTP ▪ NTP, ZTP ▪ SPAN, RSAN

▪ Security	▪ Port isolation, Port security, and "IP+MAC+port" binding, MAC sticky, DHCP Snooping and option 82, DAI & IP source guard, PPPoE+, ▪ IEEE 802.1x, Radius and ATTacacs+ ▪ L2/L3/L4 ACL flow identification and filtration Anti-attack from DDoS, TCP's SYN Flood, UDP Flood, etc. ▪ Broadcast/multicast/unknown unicast storm-control
▪ Environment	▪ Operating temperature/humidity: -10°C-50°C, 10%-90% ▪ Storage temperature/humidity: -20°C-70°C, 5%-90% non-condensing
▪ Certifications	▪ ISO, IEC, CE, ROHS, TEC, UL, TL-9000

ORDERING INFORMATION: -

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