

## ATS – 2900 – 2528C

### PRODUCT CHARACTERISTIC: -

#### IPV6

The ANDA TELECOM switch series supports the full IPv6 protocol suite, including IPv6 neighbour discovery, ICMPv6, and Path MTU discovery. It also provides IPv6-compatible Ping, Traceroute, Telnet, SSH, and ACL functions, fulfilling the management and service control requirements of IPv6 networks.

#### 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.

### PRODUCT OVERVIEW: -

ANDA TELECOM is a next-generation intelligent gigabit access switch crafted for carrier IP MAN and enterprise networks. Built on cutting-edge high-performance hardware and the ANDA platform, it features ACL, QinQ, and QoS capabilities. Its straightforward management mode and versatile installation options are designed to handle 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.



Anda Telecom Pvt. Ltd.

Registered office : E-38, Sec 06, Noida, Gautambudha Nagar, Uttar Pradesh - 201301, INDIA

Phone : +91 120 4109590, +91 98716 50366

E-mail : [Info@andatelecom.com](mailto:Info@andatelecom.com)

URL : [www.andatelecom.com](http://www.andatelecom.com)

## TECHNICAL SPECIFICATIONS: -

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| ITEM                                 | ATS-2900-2528C                        |
| Interface                            | 24 GE TX ports, 4 100/1000M SFP ports |
| Console                              | 1 RJ45 port, 1 RST button             |
| Backplane                            | 56 Gbps                               |
| Forwarding rate                      | 42 Mpps                               |
| Power consumption full load          | 20W                                   |
| Power supply AC: 100V-240V, 50Hz±10% | 25W                                   |
| Noise@25°C(dBA)                      | 0                                     |
| MTBF(H)                              | >50,000                               |
| Forwarding mode                      | Store-forward                         |
| MAC                                  | 8K                                    |
| Buffer size (Mb)                     | 4.1                                   |
| Jumbo frame                          | 9K                                    |
| Total SVI                            | 10                                    |

## FEATURES: -

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|---|--|
| <ul style="list-style-type: none"> <li>VLAN</li> </ul>          | <ul style="list-style-type: none"> <li>4K Active VLAN</li> <li>QinQ &amp; Selective QinQ</li> <li>GVRP, Private VLAN</li> <li>Voice VLAN</li> </ul>  |
| <ul style="list-style-type: none"> <li>Qos</li> </ul>           | <ul style="list-style-type: none"> <li>CAR, HQoS, MAC/IP/TCP/UDP/ VLAN/COS/DSCP/TOS based</li> <li>·QoS,802.1P/DSCP priority relabelling, SP, WRR, and “SP+WRR”</li> <li>Tail-Drop, WRED, flow monitoring and traffic shaping</li> </ul> |
| <ul style="list-style-type: none"> <li>Spanning Tree</li> </ul> | <ul style="list-style-type: none"> <li>802.1D (STP)</li> <li>802.1W (RSTP) and 802.1S (MSTP)</li> <li>BPDU guard, root guard and loopback guard</li> </ul>   |
| <ul style="list-style-type: none"> <li>Multicast</li> </ul>     | <ul style="list-style-type: none"> <li>IGMP v1/2/3</li> <li>IGMP Snooping</li> <li>IGMP Fast Leave</li> <li>IGMP Filter</li> <li>MVR</li> </ul>  |
| <ul style="list-style-type: none"> <li>IP</li> </ul>            | <ul style="list-style-type: none"> <li>Static route</li> <li>IP v4/v6 dual stack</li> <li>DHCP Server/Client/Relay</li> </ul>  |
| <ul style="list-style-type: none"> <li>Reliability</li> </ul>   | <ul style="list-style-type: none"> <li>Static/LACP link aggregation,</li> <li>Interface backup</li> <li>EAPS and ERPS ·ISSU</li> </ul>   |

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| <ul style="list-style-type: none"> <li>Management</li> </ul>     | <ul style="list-style-type: none"> <li>Console, Telenet, SSH, v1/2, HTTP, HTTPS,</li> <li>SNMP v1/v2/v3 RMON</li> <li>TFTP, FTP, SFTP</li> <li>NTP, ZTP</li> <li>SPAN, RSAN</li> </ul>   |
| <ul style="list-style-type: none"> <li>Security</li> </ul>       | <ul style="list-style-type: none"> <li>Port isolation, Port security, and "IP+MAC+port" binding, MAC sticky, DHCP Snooping and option 82, DAI &amp; IP source guard, PPPoE+,</li> <li>IEEE 802.1x, Radius and ATTacacs+</li> <li>L2/L3/L4 ACL flow identification and filtration Anti-attack from DDoS, TCP's SYN Flood, UDP Flood, etc.</li> <li>Broadcast/multicast/unknown unicast storm-control</li> <li>MD5, SHA-256, RSA-1024, AES256, etc.</li> </ul> |
| <ul style="list-style-type: none"> <li>Environment</li> </ul>    | <ul style="list-style-type: none"> <li>Operating temperature/humidity: -10°C-50°C, 10%-90%</li> <li>Storage temperature/humidity: -20°C-70°C, 5%-90% non-condensing</li> </ul>   |
| <ul style="list-style-type: none"> <li>Certifications</li> </ul> | <ul style="list-style-type: none"> <li>ISO, IEC,CE,ROHS,TEC,TL-9000</li> </ul>   |

#### **ORDERING INFORMATION: -**

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| <p>Anda Telecom Pvt. Ltd.<br/>Registered office : E-38, Sec 06,<br/>Noida, Gautambudha Nagar,<br/>Uttar Pradesh - 201301, INDIA</p> | <br><br> | <p><a href="https://andatelecom.com/">https://andatelecom.com/</a></p> <p>+91 11 41323629, +91 9871650366</p> <p><a href="mailto:info@andatelecom.com">info@andatelecom.com</a></p> |
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