

Aurora ANS-12S4P8CN1-MIP-D-L2 Industrial Switch

12-port Managed Industrial PoE Switch, with 4 10G SFP Slot and 8 10/100/1000Base-T(X) IEEE802.3af/at PoE/PoE+ Port

- ▶ Support 8 10/100/1000Base-T(X) PoE port and 4 1G/10G SFP+ Slot and 1 Console Port
- ▶ Rich QoS features for data flow control and management, support ring protocol, RSTP and STP Ethernet redundancy, support port-based VLAN, IEEE 802.1Q VLAN and GVRP protocol
- ▶ Support CLI, SNMP, WEB VLAN management, Console/Telnet command-line management and syslog, using self-developed ring network technology, recovery time <20ms
- ▶ DC48-58V redundancy power, reverse polarity protection
- ▶ Industrial grade 4 design, -40-85°C operating temperature
- ▶ IP40 rated aluminum alloy housing, DIN-Rail mounted



SPECIFICATIONS

GENERAL

- Interface:
 - Fiber Port: 4*1G/10G SFP+
 - Ethernet Port: 8*10/100/1000M POE port
 - Manage Port: 1*RJ45 Console port
 - Power connector: 3P Phoenix terminal, dual power supply redundancy
 - LED Indicator: PWR(green); System indicator :SYS(green); Network port indicator: yellow(1000 or POE) Green (Link)
- Cable type and distance:
 - Twisted pair cable: 0-100m (CAT5e, CAT6)
 - Single-mode fiber: 20/40/60/80/100KM
 - Multimode fiber: 550m/2KM
 - Optical fiber interface: LC/SC
- Network topology & scale:
 - Ring topology Support
 - Star topology Support
 - Bus topology Support
 - Tree topology Support
 - Hybrid topology Support

- Electrical characteristics:
 - Input voltage: DC48-58V(POE type)
 - Power consumption: Non-POE full load (Total power) <10W; POE full load <132W
- PoE Support:
 - PoE ports: 1-8
 - PoE protocol: 802.3af, 802.3at
 - PoE pin assignment: 1,2,3,6
 - PoE management mode: Support

L2 FEATURES

- Exchange capacity: 64G
- Packet forwarding rate: 47.6Mpps
- MAC address table: 16K
- VLAN support and quantity: Support 4K
- Report buffer: 12M
- Forwarding delay: <10us
- Port characteristics: Cross-connect and direct-adaptive
- Flow control: Support
- Jumbo frame support: Support 10Kbytes
- Spanning Tree Protocol: Support STP/RSTP/MSTP
- Ring network protocol: Support ERPS
- Link aggregation: Support 12 groups
- Multicast: Support IGMP Snooping
- Port mirroring: Support
- Storm suppression: Support
- Port traffic statistics: Support
- Port flow system: Support
- QinQ: Support
- Protection:
 - Shell: IP40 protection, aluminum alloy housing
 - IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)
 - IEC 61000-4-5 Level 3 (6KV/2KV) (10/700us)
 - IEC 61000-4-3 Level 3 (10V/m)
 - IEC 61000-4-4 Level 3 (1V/2V)
 - IEC 61000-4-6 Level 3 (10V/m)
 - IEC 61000-4-8 Level 4 (30A/m)
 - IEC 61000-4-11 Level 3 (10V)
 - EMI CLASS A
 - IEC 61000-4-2 Level 4 (15KV/30KV)
 - Free fall 0.5m
- ACL:
 - Support 500 ACLs;
 - Support IP standard ACL;
 - Support MAC extended ACL;
 - Support IP extended ACL;
- QoS:
 - Support QoS re-marking and priority mapping;
 - Support SP, WRR queue scheduling;
 - Support entry speed limit and exit speed limit;
 - Support flow-based QoS

MANAGEMENT FUNCTIONS

- Command line: Support
- Management serial port: Support
- Telnet: Support
- WEB management: Support
- SNMP: Support SNMPv1/v2c
- User management :Support
- System log: Support
- File upgrade: Support
- Firmware upgrade: Support
- SFP module DDM: Support

ENVIRONMENTAL CONDITIONS

- Working temperature: -40°C~+85°C
- Storage/transport temperature: -40°C~+85°C
- Relative humidity: 5%~95% does not support condensation (non-condensing)
- Cooling method: No fan design, natural heat dissipation
- MTBF: 100,000 hours

MECHANICAL STRUCTURE

- Size: 181X146X47mm
- Installation method: DIN Rail Installation
- Weight: 1KG

DIMENSIONS

