AEO | PRODUCT SPECIFICATIONS

AEO-8S3808-M

Industrial Managed Gigabit Ethernet Switch

English · Revision EN-20261101-V177

Network ports	8 x 10/100/1000Base-T RJ45 ports; auto-detection, full/half duplex and auto MDI/MDI-X
Optical ports	8 x 100/1000Base-X SFP optical ports; SFP modules selected separately
Network protocols	IEEE802.3 10BASE-T； IEEE802.3i 10Base-T； IEEE802.3u 100Base-TX； IEEE802.3ab 1000Base-T； IEEE802.3z 1000Base-X； IEEE802.3x
Backplane bandwidth	128 Gbps
Management port	1 x Console RS232 port (115200, N, 8, 1)
Packet forwarding rate	48 Mpps
Forwarding mode	Store and Forward (full wire speed)
Power connector	2 sets of V+, V- redundant DC Phoenix-type terminal blocks
Power input	12–57 VDC
Reverse polarity protection	Supported
Power overload protection	Supported
Power redundancy	Supported
Device power consumption	Full-load power consumption: ≤20W
Ring network protocol	ERPS industrial ring protection
MAC management	Static MAC configuration, dynamic learning, lookup/clear, aging-time configuration, learning limits and MAC filtering
Traffic management	Traffic policing and shaping; broadcast, multicast and unknown unicast storm suppression
Loop protection	Loop detection and loop prevention

Security management	Port isolation, port security and IP+MAC+port binding; DHCP Snooping, DHCP Option 82, and protection against DDoS, SYN Flood and UDP Flood attacks
Routing features	IPv4 and IPv6 static routing
VLAN	4096 VLANs, IEEE 802.1Q and port-based VLAN; Voice VLAN, MAC VLAN, Surveillance VLAN and GVRP
Link aggregation	Static link aggregation and LACP dynamic link aggregation
Spanning tree and multicast	STP/RSTP/MSTP; IGMP Snooping, MVR and MLD Snooping
IPv6	IPv6 static routing, ICMPv6, DHCPv6, ACLv6, IPv6 Telnet, neighbor discovery and Path MTU discovery; MLD v1/v2 and MLD Snooping
ACL	L2–L4 ACL traffic identification and packet filtering
Configuration and maintenance	Console/CLI, Telnet, SSH 2.0, Web (HTTP/HTTPS) and SNMP v1/v2/v3 management; RMON, LLDP and NTP client
EN61000-4-2 electrostatic discharge	±8KV contact discharge; ±15KV air discharge
EN61000-4-3 radiated immunity	10V/m(80～1000MHz)
EN61000-4-4 electrical fast transients	±4KV power line; ±2KV data line
EN61000-4-5 surge immunity	±4KV/CM, ±2KV/DM power line; ±4KV data line
EN61000-4-6 conducted immunity	10V(150KHz～80KHz)
Mechanical tests	IEC60068-2-6 (vibration); IEC60068-2-27 (shock); IEC60068-2-32 (free fall)
Protection rating	IP40
Enclosure material	Aluminum alloy; fanless
Mounting	Desktop or 35mm DIN rail mounting
Dimensions (L x W x H)	168 × 140 × 65 mm
Operating temperature	−40 °C～+85 °C
Operating humidity	5%–95% RH, non-condensing

Product page: https://www.aeo-cctv.com/en/products_e_44/AEO_8S3808_M
www.aeo-cctv.com/en/