

MANAGED ETHERNET SWITCH

SW10G 48-AXL3

AX
WiFi SERIES

CLOUD
PRO

LAYER 3

- ✓ 48 10/100/1000 PoE/PoE+ ports
- ✓ 4 SFP+ 10GE ports
- ✓ Maximum PoE+ power: 405W
- ✓ 1U 19" rack-mountable
- ✓ Layer 3 features
- ✓ VLAN management, QinQ, ACL, QoS, mirroring, multicast, ICMP snooping, etc.
- ✓ DHCP server
- ✓ Management via web, SNMP, CLI, SSH, etc.
- ✓ High energy efficiency (IEEE 802.3az)
- ✓ Direct configuration and via CloudPRO by EK

Ek

EKSELANS BY ITS

MANAGED
SWITCH

48
PoE+
Ports



SW10G 48-AXL3

4x
10Gbps
UPLINK



SW10G 48-AXL3 - Detail

Dashboard

Overview

Port Information

Port	Input Rate	Output Rate	Status & Speed	MAC/Port/Description	Under/Over Size	CRC/FCS Error	Collision Count
GE0/1	0.0K	0.0K	Connected 1000Mb	92C33B67D7D7D7D7	0/0	0/0	0
GE0/2	17.2K	26.1K	Connected 1000Mb	4123B7D9D9D9D9D9	0/0	0/0	0
GE0/3	0K	0K	Not Connected	00	0/0	0/0	0
GE0/4	0K	0K	Not Connected	00	0/0	0/0	0
GE0/5	0K	0K	Not Connected	00	0/0	0/0	0
GE0/6	0K	0K	Not Connected	00	0/0	0/0	0
GE0/7	0K	1.0K	Connecting 1000Mb	04B0B4A7D9D9D9D9	0/0	0/0	0
GE0/8	0K	0K	Not Connected	00	0/0	0/0	0
GE0/9	0.4K	2.8K	Connected 1000Mb	39C2C2A7D7A7D7A7	0/0	0/0	0
GE0/10	0K	0K	Not Connected	00	0/0	0/0	0

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Programming and management interface



TECHNICAL TABLE

Hardware

REFERENCE	SW10G 48-AXL3
Code	331027
Ports	
Fixed service port	48 10/100/1000BASE-T ports, supporting PoE/PoE+ 4 1GE/2.5GE/10GE SFP+ ports
System	
Switching capacity	211 Gbps
Packet forwarding rate	158 Mpps
Dimensions and Weight	
Dimensions (W x D x H)	442 mm x 220 mm x 43.6mm - 4kg
Power Supply and Consumption	
Rated input voltage	100 V AC to 240 V AC, 50/60Hz
Maximum input voltage	90 V AC to 264 V AC
Input voltage	6 A
PoE power supply	Ports 1 to 48 support PoE/PoE+ power supply (IEEE 802.3af/at)
Maximum output power per PoE port	Each PoE port provides up to 30 W of power. Maximum total power: 405W
Environmental Conditions and Safety	
Fan monitoring	Multilevel speed adjustment based on PID Fan speed control (manual configuration not supported) Fan failure alarm
Operating temperature	0°C to 45°C (32°F to 113°F)
Storage temperature	-40°C to +70°C (-40°F to +158°F)
Operating humidity	10% to 90% RH (non-condensing)
Storage humidity	5% to 95% RH (non-condensing)
Operating altitude	-500 m to +5,000 m (-1,640.42 ft to +16,404.20 ft)

Software

Ethernet	IEEE 802.1Q (4K VLANs) Voice VLAN Super VLAN and Private VLAN MAC-based VLAN, Port-based VLAN, Protocol-based VLAN, and Subnet-based VLAN Basic QinQ Selective QinQ STP (IEEE 802.1d), RSTP (IEEE 802.1w), and MSTP (IEEE 802.1s) ERPS (G.8032) LLDP/LLDP-MED
Multicast	IGMP v1/v2/v3 and IGMP proxy IGMP Snooping v1/v2 PIM-DM, PIM-SM, and PIM-SSM PIM-SMv6 and PIM-SSMv6 MSDP MLD v1/v2 and MLD proxy MLD Snooping v1/v2 PIM-SMv6 and PIM-SSMv6 Multicast source IP address check Multicast source port check Multicast querier
ACL	Standard IP ACL Extended IP ACLs (hardware ACLs based on IP addresses or TCP/UDP port numbers) Extended MAC ACLs (hardware ACLs based on source MAC address, destination MAC address, and optional Ethernet type) Expert-level ACLs (hardware ACLs based on flexible combinations of VLAN ID, Ethernet type, MAC address, IP address, TCP/UDP port number, protocol type, and time range) Time-based ACLs, ACL 80, and IPv6 ACLs Global ACLs ACL redirection



TECHNICAL TABLE

Protocols	IEEE 802.2 Logical Link Control IEEE 802.1ab Link Layer Discovery Protocol IEEE 802.1ad Provider Bridges IEEE 802.1ax/IEEE802.3ad Link Aggregation IEEE 802.1D Media Access Control (MAC) Bridges IEEE 802.1D Spanning Tree Protocol IEEE 802.1Q Virtual Bridged Local Area Networks (VLAN) IEEE 802.1s Multiple Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.3ad Link Aggregation Control Protocol (LACP) IEEE Std 802.3x Full Duplex and flow control
Security	Multiple AAA modes RADIUS and TACAS+ RADIUS authentication and authorization IEEE802.1X authentication, MAC address bypass (MAB) authentication, and interface-based and MAC address-based 802.1X authentication Web authentication HTTPS SSHv1 and SSHv2 Global IP-MAC binding ICMPv6 Port isolation and port security IP source guard SAVI ARP spoofing prevention CPP and NFPP Portal authentication and Portal 2.0 authentication ARP check DAI ARP packet rate limiting Gateway ARP spoofing prevention
Energy-Efficient Ethernet (EEE)	IEEE 802.3az-compliant EEE: When EEE is enabled, power consumption of interfaces is significantly reduced.
Port Suspension	Port sleeping
PoE Power Supply	IEEE 802.3af and 802.3at Warm start Port priority Automatic and energy-saving power supply management modes Uninterrupted power supply in hot start mode Scheduled power-on or power-off of PoE ports based on the time policy
IP Routing	IPv4/ IPv6 static route RIP, RIPv2, OSPFv2, and OSPFv3 Routing policy
IPv6 Protocolos básicos	IPv6 addressing, Neighbor Discovery (ND), IPv6 ACL, ICMPv6, IPv6 ping, and IPv6 tracer
VSU Features	VSU Local and remote stacking Cross-chassis link bundling within the stack
Remote Provisioning (ZTP)	CWMP (TR-069) standard protocol
Management Features	SNMP, CLI (Telnet/console), RMON, SSH, Syslog/debugging, NTP/SNTP, FTP, TFTP, web, sFlow and CloudPRO by EK