

Link Series Managed Ethernet Switch Link5010AS-POE



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Overview

The Link5010AS-POE is a Layer 2 Gigabit Ethernet access switch. It comes with 8 10/100/1000 802.3at/af Power-over-Ethernet PLUS copper ports and 2 Gigabit combo SFP/Copper ports. Designed to provide line rate performance enhanced with security, mobility, and flexibility for the edge part of the network, the Link501-AS-POE expands its capabilities with sFlow, IPv6, and extended ACLs.

Solution Highlights

Green Energy Compliance

- Link5010AS-POE meets IEEE 802.3az (Energy-Efficient Ethernet) standards to reduce power consumption and cost of ownership.
- Time sensitive LED shut-off functions administrators can set ports to only show UP or DOWN LEDs based on time of day, needs and function requirements.
- Fanless and Smart temperature features reduce environmental noise impact.

Proactive Service and Support

- Service-driven features including full Ethernet OAM technology (IEEE802.3ah/802.1ag*), VCT, DDM (Digital Diagnostic Monitoring) and others help system administrators quickly detect network issues for proactive resolution and support.

Enterprise Security

- Deploy security mechanisms such as SYN Flood, Land, ICMP Flood attack prevention and other DOS class technologies that guard against aggressive attacks. Implement BPDU Guard and Root Guard to prevent accidental installation topology loops and prevent illegal edge devices from unnecessary flapping.
- IEEE 802.1X port-based access control ensure users are authorized prior to having network access. Client authentication is carried out using a third party RADIUS server.
- Access Control Lists (ACLs) restrict access to sensitive network resources and deny packets and forwarding by using different policies. User-defined ACL provides more flexible access control for users.

ICC Networking

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SPECIFICATIONS

Dimensions: 13 x 1.7 x 9 (in)
Weight: 3.5kg
Power Input: 100~240VAC, 50~60Hz
Power Consumption: 144W
Cooling: Passive
Temperature: Working 0°C~50°C, Storage -40°C~70°C
Relative Humidity: 5%~95%, non-condensing
POE: IEEE 802.3af POE(15.4W), IEEE 802.3at POE+ (30W), PoE output 124w
Ports: 8 x 10/100/1000Base-T + 2 x 100/1000Base-X (SFP)
Switching Capacity: 20GBps
Forwarding Rate: 14.88Mbps
MAC Address: 8k
Jumbo Frame: 10k
ACL Table: 1408
Queues per Port: 8
VLAN Table: 4K

FEATURES

FORWARDING

Storage and Forwarding

VLAN

Port-based VLAN, IEEE802.1Q, private VLAN, Protocol VLAN, Voice VLAN, MAC VLAN
Normal QinQ, Selective QinQ, Flexible QinQ
VLAN Translation, N:1 VLAN Translation

DHCP

IPv4/IPv6 DHCP Client, IPv4/IPv6 DHCP Relay
Option 82, Option 37/38
IPv4/IPv6 DHCP Snooping, IPv4/IPv6 DHCP Server

RELIABILITY

Spanning Tree
802.1D STP, 802.1W RSTP, 802.1S MSTP
Root Guard, BPDU Guard, BPDU Forwarding
LACP
8 groups / 8 ports
L2 Ring Protection
MRPP
ITU-T G.8032
Loopback Detection
Fast Link

SECURITY

IP ACL, MAC ACL, MAC-IP ACL, User-Defined ACL
Time Range ACL
ACL on VLAN interface
Storm Control based on packets and bytes
Port Security, MAC Limit based on VLAN and Port
Anti-ARP-Spoofing, Anti-ARP-Scan, ARP Binding
ND Snooping
DAI
IEEE 802.1x
Authentication, Authorization, Accounting
Radius, TACACS+

MULTICAST

IGMP v1/v2/v3 snooping, IGMP Fast leave
MVR
MLD v1/v2 snooping
IPv4/IPv6 DCSCM

QoS

8 Queues Per Port
Bandwidth Control
Flow Redirect
Classification based on ACL, VLAN ID, COS, TOS, DSCP, Policing Based on Port and VLAN
Single Rate single barrel double color for Policing
Remark DSCP, COS/802.1p, Precedence, TOSSP, WRR, SWRR, DWRR for Scheduling
Match the IP fragmentation of message

MANAGEMENT

TFTP/FTP
CLI, Telnet, Console
Web/SSL (IPv4/IPv6)
SSH (IPv4/IPv6)
SNMPv1/v2c/v3
SNMP Trap
Public & Private MIB interface
RMON 1,2,3,9
Ping, Trace Route
Radius Authentication
Syslog (IPv4/IPv6)
SNTP/NTP (IPv4/IPv6) Dual IMG, Multiple Configuration Files
Port Mirror, CPU Mirror, RSPAN
sFlow (S4600-28P/52P-SI)
OAM EFM
VCT, DDM
ULDP
LLDP/LLDP MED

GREEN ENERGY

IEEE 802.3az (Energy Efficient Ethernet)
Fanless
LED Shut-off

CERTIFICATIONS

TUV
FCC

EMC Safety: CE, RoHS

Link5010AS-POE: 8 Port Gigabit Layer 2 enterprise managed Ethernet switch with 2 combo RJ-45/SFP ports



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