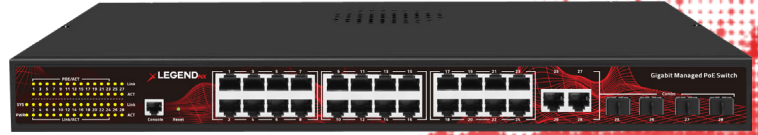


LEGENDNX

LGNX244POEGWM

24-Port PoE Gigabit Layer 2 Managed + 4 x BASE-X PORT



Versatile Connectivity:

- 24 × 10/100/1000Mbps PoE ports
- 4 × 10/100/1000Mbps Ethernet uplink ports
- 1 × Console port for advanced management
- Supports seamless integration for surveillance and data networks



High Power PoE Support:

- Complies with IEEE 802.3af (15.4W) and IEEE 802.3at (30W) power standards
- Intelligent PoE management with PoE Watchdog for real-time monitoring and automatic device recovery
- Automatically detects and powers IEEE-compliant devices
- Prevents forced power delivery to non-PoE devices

Advanced Network Management:

- Supports VLAN, QoS, port mirroring, and access control
- Secure 802.1x authentication, TACACS+, and AAA support
- Multiple management interfaces: Web GUI, Telnet, CLI, SSH, SNMP, and RMON
- Panel indicators for live port and device status monitoring

Superior Performance & Reliability:

- High-speed switching performance for Gigabit applications
- Fanless design with natural cooling (1U rack-mountable form factor)
- Store-and-forward architecture for efficient packet transmission
- Surge protection: 4KV (General), 2KV (Differential), ESD protection: 8KV (Air), 6KV (Contact)

In Short:

The LGNX244POEGWM PoE Switch is built for high-performance environments, delivering reliable and intelligent PoE networking for modern enterprise needs. With seamless Gigabit connectivity and compliance with IEEE 802.3af/at standards, it ensures optimal power delivery to supported devices while protecting non-PoE equipment. Its fanless design, robust management capabilities, and enhanced security make it ideal for surveillance, infrastructure, and high-demand IT deployments.

* La conception et les spécifications sont sujettes à modification sans préavis.

Technical Specifications

Product	24-Port PoE Gigabit Layer 2 Managed + 4 x BASE-X PORT
Ports	
AC input	AC 100-240V, 50/60Hz
Total Network Ports	32
Ethernet Ports	24 x 10/100/1000Mbps PoE Port 4 x 1000M RJ45 Port(Combo) 4 x 1000M SFP Port (Combo) 1 x RJ45 Console Port
DIP switch	Reset
Operational Status	
LED Indicators	PWR (Power Supply) SYS (System Status) 1–24 PoE & ACT (Power over Ethernet & Activity) 1–24 Link & ACT (Link & Activity) 25–28 Link (Link Only) 25–28 ACT (Activity Only)
Performance	
Switching Capacity	56Gbps
Forwarding Rate	41.66Mpps
Packet Buffer memory	4M
Flash memory	16MB
DDR SDRAM	128MB
MAC Address Table Capacity	8K entries
Jumbo frame size	9.6Kbytes
Transfer Mode	Store and forward
MTBF	100,000 hours
Standard	
Network Protocols	IEEE 802.3: Ethernet MAC Protocol IEEE 802.3i: 10BASE-T Ethernet IEEE 802.3u: 100BASE-TX Fast Ethernet IEEE 802.3ab: 1000BASE-T Gigabit Ethernet IEEE 802.3z: 1000BASE-X Gigabit Ethernet (optical fiber) IEEE 802.3az: Energy Efficient Ethernet IEEE 802.3ad: Standard method for performing link aggregation IEEE 802.3x: Flow control IEEE 802.1ab: LLDP/LLDP-MED (Link Layer Discovery Protocol) IEEE 802.1p: LAN Layer QoS/CoS Protocol Traffic Prioritization(Multicast filtering function) IEEE 802.1q: VLAN Bridge Operation IEEE 802.1x: Client/Server Access Control and Authentication Protocol IEEE 802.1d: STP IEEE 802.1s: MSTP IEEE 802.1w: RSTP
PoE protocol	IEEE802.3af (15.4W) IEEE802.3at (30W)

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Network Medium	10BASE-T: Cat.3, 5 or higher UTP (≤100m) 100BASE-TX: Cat.5 or higher UTP (≤100m) 1000BASE-TX: Cat.5e or higher UTP (≤100m) Multi-Mode Fiber: 50/125, 62.5/125, 100/140μm Single-Mode Fiber: 8/125, 8.7/125, 9/125, 10/125μm
Transfer Mode	Store-and-Forward
MTBF (Mean Time Between Failures)	100,000 hours
Extended Mode	Supported on all the ports
Power Over Ethernet	
PoE Standards	IEEE802.3af / IEEE802.3at
PoE Power Supply	Input Voltage: AC 100-240 V / Output: 52V 300W
PoE Features	POE Power Management, POE Watchdog
General	
Surge Protection	Common Mode (RJ45 Ports): 4KV Differential Mode (RJ45 Ports): 2KV
ESD Protection	Air Discharge: 8KV Contact Discharge: 6KV
Operating conditions	Operating temperature: -10~50°C Humidity: 10%~90%, No condensation
Storage conditions	Storage temperature: -40~70°C Storage Humidity: 5%~90%, No condensation
Color	Black
Weight	3.47kg (excluding input cable & packaging)
Dimensions (L x W x H)	440 x 204 x 44mm

L3 Function	
IPv4	- IPv4 VLAN Interface - IPv4 Static Routes - ARP
IPv6	- IPv6 VLAN Interface - IPv6 Static Routes - IPv6 ND
L2 Function	
Port	- Port Switch - Port Description - Port Speed - Port Duplex - Port Flow Control - Jumbo, Up to 10K - EEE - Fiber Module (DDM)
Link Aggregation	- Supports load balance policy; Base on MAC and IP-MAC - Static and Dynamic Group - Supports LACP / Up to 8 groups
Storm Control	- Broadcast - Unknown Multicast - Unknown Unicast

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Port Mirroring	• One to one monitor • Many to one monitor • Ingress / Egress / Both • Up to 4 session groups
Port Security	• MAC Address Constraints • Port Security MAC Address • Protect / Restrict / Shutdown
VLAN	• Access / Trunk / Hybrid • VLAN Tunnel (Q-in-Q Tunnel) • Configurable VID from 1-4094; Maximum 256 static VLAN groups • Voice VLAN • MAC VLAN • Surveillance VLAN • Protocol VLAN • GVRP
MAC Address	• Dynamic Address • Static Address • Filtering Address
Spanning Tree Protocol	• STP-RSTP-MSTP • BPDU Filter • BPDU Guard • Edge Port
LLDP	• LLDP • LLDP MED
Multicast	• IGMP Snooping • IGMP V1/V2/V3 • Router Port • Static IGMP group address • IGMP groups filtering • Querier • MLD Snooping • MVR
QoS	• Traffic classification based, Strict priority and WRR • Port Priority • 802.1P Priority • IP TOS Priority • IP DSCP Priority • Supports up to 8 queues per port • Priority Remarking
PoE	
PoE Configuration	• PoE Temperature • PoE Type / Level / Power / Voltage / Current • PoE Switch • PoE Watchdog • PoE power AF/AT adaptation
Services	
DHCP	• DHCP Server • IP Pool • Static Binding • DHCP Relay

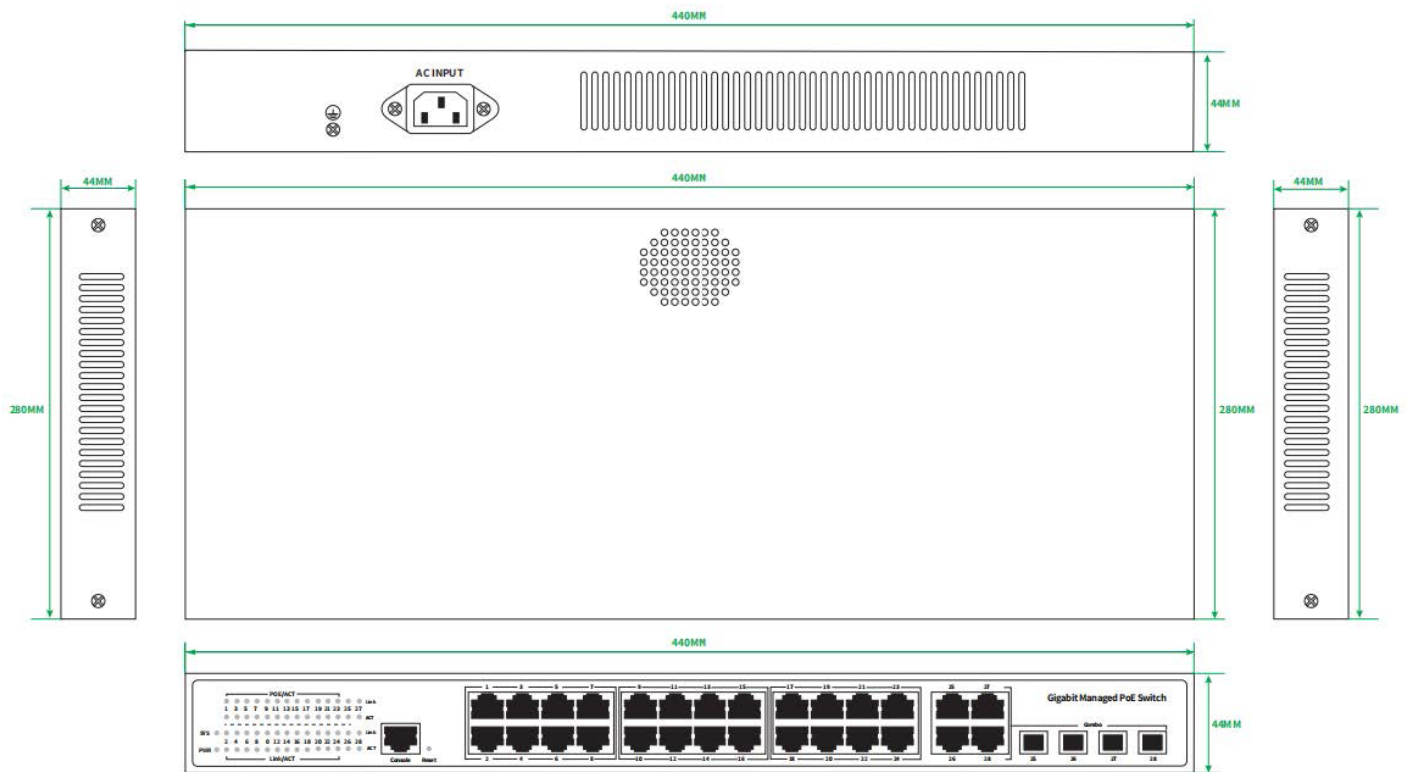
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Access Protocol	• HTTP • HTTPS • Telnet • SSHv2 • Manager ACL • Session Timeout • Password Retry Count • Silent Time
Security	
AAA	• RADIUS • TACACS+ • 802.1X • Base on port / MAC / Local / WEB
DHCP Snooping	• Global-VLAN • Option 82 • Circuit ID
ACL	• MAC ACL • IPv4 ACL • IPv6 ACL
Diagnostics	
System log	• Logging Message • Remote Server
Management	
Manager Access	• Console • HTTP-HTTPS • Telnet • SSH • SNMP
Manager IP	• Static Address • DHCP Client • Support IPv4 and IPv6 address • Manager VLAN • DNS
Time Synchronization	• SNTP • Manual Time
SNMP	• Versions: v1, v2c, and v3 • Community-based access (for v1/v2c) • SNMPv3 User-based Security Model (USM) • Group-based access control
SNMP MIBS	• RFC 1213: MIB-II • RFC 1493: Bridge MIB • RFC 1643: Ethernet-like MIB • RFC 2819: RMON MIB (Groups 1, 2, 3, and 9) • RFC 2863: Interface MIB • LLDP: Link Layer Discovery Protocol • Private MIB
RMOM Support	• Statistics • History • Event • Alarm
Firmware	• Firmware Upgrade Support
Configuration	• Upload and Download Support

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Standards Compliance	
Supported Standard and Protocols	• IEEE 802.3x – Flow Control and Back Pressure • IEEE 802.3ad – Link Aggregation with LACP (Port Trunking) • IEEE 802.1D – Spanning Tree Protocol (STP) • IEEE 802.1w – Rapid Spanning Tree Protocol (RSTP) • IEEE 802.1s – Multiple Spanning Tree Protocol (MSTP) • IEEE 802.1p – Class of Service (CoS) • IEEE 802.1Q – VLAN Tagging • IEEE 802.1x – Port-Based Network Access Control • IEEE 802.1ab – Link Layer Discovery Protocol (LLDP) • IEEE 802.3af – Power over Ethernet (PoE) • IEEE 802.3at – Power over Ethernet Plus (PoE+)
RFC Protocol Support	• RFC 768 – UDP (User Datagram Protocol) • RFC 793 – TFTP (Trivial File Transfer Protocol) • RFC 791 – IP (Internet Protocol) • RFC 792 – ICMP (Internet Control Message Protocol) • RFC 2068 – HTTP (Hypertext Transfer Protocol) • RFC 1112 – IGMP v1 (Internet Group Management Protocol) • RFC 2236 – IGMP v2 • RFC 3376 – IGMP v3 • RFC 2710 – MLD v1 (Multicast Listener Discovery for IPv6) • RFC 3810 – MLD v2

Dimensions



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