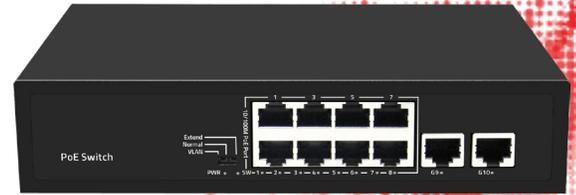# LEGEND NX
LGNX82POE

**8-PORT PoE Switch
with 2 Upload Ports**

NDAA Compliant

- 8× PoE + 2× Gigabit Uplink for fast and secure networking
- 96W PoE budget, up to 30W per port
- 250m PoE extension for long-range cameras
- 5.6Gbps switching capacity for efficient data flow
- ESD & surge protection (up to 8KV)
- Plug & Play, auto MDI/MDIX for easy setup

In short

The LGNX82POE is an 8-port PoE switch with 2 Gigabit uplinks, designed for efficient and secure networking in surveillance and security systems. With a 96W PoE budget (up to 30W per port) and extended transmission up to 250m, it provides reliable power and connectivity for IP cameras and other PoE devices. Featuring 5.6Gbps switching capacity, ESD & surge protection, and a Plug & Play setup, the LGNX82POE is a compact, durable solution for long-distance deployments.

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Technical Specifications

Product	8-Port PoE Gigabit Unmanaged + 2 x Upload Ports
Ports	
Total Network Ports	10
PoE Port	8 × 10/100 Mbps; RJ45 (Max. 30W per PoE port)
Uplink Interfaces	2 × 1000 Mbps RJ45
Power Indicator Light (PWR)	On: Powering Off: No Power
Link/Activity Status Indicator	Green Light Off: Link Disconnected Green Light On: Link Connected Green Light Flashing: Data Transmitting
Mode Indicator	Green Light Off: Normal/Default mode Green Light On: VLAN mode Green Light Flashing: Extend mode
RJ-45 ACT Indicator	Green Light Off: Link Disconnected Green Light On: Link Connected Green Light Flashing: Data Transmission in Progress
Standard	
Network Protocols	IEEE 802.3 / 802.3u / 802.3ab / 802.3x
Performance	
Switching Capacity	5.6 Gbps (Non-blocking)
Forwarding Rate	4.166 Mpps
Packet Buffer size	448 KB
Transmission Mode	Store-and-Forward
MAC Address Table Capacity	2K Entries
VLAN Supported	Yes
PoE watchdog supported	Yes
Power Over Ethernet	
PoE Standards	IEEE 802.3af / IEEE 802.3at
PoE Power Supply	1/2(+), 3/6(-)
Transmission Distance	0-100m at 100 Mbps or Max. 250m at 10 Mbps (Extend Mode, Cat.5e or higher)

General	
Power Source	Built-in Power Supply, Input: 100-240V AC, 50/60Hz
PoE Power Budget	96W
Power Consumption	<5W
ESD Protection	Air Discharge: 8 KV Contact Discharge: 6 KV
Surge Protection	Common Mode (RJ45 Ports): 4 KV Differential Mode (RJ45 Ports): 2 KV Common Mode (Power Board): 2 KV Differential Mode (Power Board): 2 KV
Operating conditions	Working Temperature: -10°C to 50°C, Humidity: 5%-90%, non-condensing
Storage conditions	-40°C to 70°C
Color	Black
Weight	0.62 kg (excluding input cable & packaging)
Dimensions (L x W x H)	200 × 118 × 44 mm

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