# LEGEND NX
## LGNX162POE

**16-Port PoE Gigabit Unmanaged +
 2 x BASE-X PORTS**



- 16× PoE + 2× SFP for secure, high-speed
  networking
- 200W PoE budget, up to 30W per port
- 250m PoE extension for long-range cameras
- 36Gbps switching for smooth data flow
- ESD & surge protection
- Plug & Play, auto MDI/MDIX for easy setup

**NDAA
Compliant**

## In short

LGNX162POE is a 16-port Gigabit unmanaged PoE switch designed with energy efficiency in mind. With 16 PoE+ RJ45 ports (30W max each) and 2 Gigabit SFP uplinks, it delivers a 36Gbps switching capacity, 200W PoE budget, and supports VLAN and store-and-forward switching. Featuring built-in surge protection and extended transmission up to 250m, it ensures reliable performance in rack-mount installations, operating within a -10°C to 50°C range.

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# Technical Specifications

| | |
|---|---|
| Product | 16-Port PoE Gigabit Unmanaged + 2 x BASE-X PORTS |
| **Ports** | |
| Total Network Ports | 18 |
| PoE Port | 16 x 10/100/1000Mbps; RJ45 ports (Max 30W output per PoE port) |
| Uplink interfaces | 2x1000Mbps SFP ports |
| Power indicator (PWR) | On: Power On<br>Not Illuminated: Power Off |
| Link/Activity status indicator | On: Link Disconnected<br>Off: Link Connected<br>Flashing: Data Transmission in Progress |
| 1000M Indicator | Off: 10/100Mbps<br>On: 1000Mbps |
| **Standard** | |
| Network Protocols | IEEE802.3/802.3u/802.3ab/802.3z/802.3x |
| **Performance** | |
| Switching Capacity | 36Gbps (Full Duplex) |
| Forwarding Rate | 26.784Mpps |
| Packet Buffer size | 4Mb |
| Transmission Mode | Store-and-forward |
| MAC Address Table Capacity | 8K entries |
| VLAN Supported | Yes |
| **Power Over Ethernet** | |
| PoE Standards | IEEE802.3af / IEEE802.3at |
| PoE Power Supply | 1/2(+),3/6(-) |
| Transmission Distance | Up to 100m at 1000Mbps<br>or Ports 9-16 support up to 250m at 10Mbps (Extended Mode with Cat.5e or higher) |
| PoE Features | All ports support MDI/MDIX |

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| General | |
|---|---|
| Power Source | Built-in Power Supply, Input: 110-240V AC, 50/60Hz |
| PoE Power Budget | 200W |
| Power Consumption | <5W |
| ESD Protection | Air discharge: 8KV<br>Contact Discharge: 6KV |
| Surge Protection | Common Mode (RJ45 Port): 4KV<br>Differential Mode (RJ45 Port): 2KV<br>Common Mode (Power Board): 4KV<br>Differential Mode (Power Board): 2KV |
| Operating conditions | -10°C to 50°C, 10%-95% humidity, non-condensing |
| Storage conditions | -40°C to 70°C |
| Color | Black |
| Weight | 2.73kg (excluding input cable & packaging) |
| Dimensions (L x W x H) | 440 × 204 × 44mm |

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