LGNX162POEGWM

16-Port Gigabit PoE Layer 2 Managed Switch – 2 x Base-X Uplinks



16 PoE	2+2	L2	30W	40 Gbps
Gigabit PoE Ports	RJ45 + SFP Uplinks	Managed	Max. per Port	Switching

In Short

This 16-port Gigabit PoE Layer 2 managed switch powers and connects up to sixteen IP cameras, with two Gigabit RJ45 uplinks, two Gigabit SFP (Base-X) fibre uplinks and a console port. Each PoE port delivers up to 30 W under IEEE 802.3af/at, with PoE scheduling, per-port power control and PoE watchdog that automatically restarts unresponsive cameras. Full Layer 2 management through web, CLI, SSH and SNMP adds 4K VLANs, QoS, IGMP snooping, link aggregation, STP/RSTP/MSTP, 802.1X/AAA security and DHCP snooping. With 40 Gbps switching capacity, a fanless 1U 19-inch design and 4 kV surge / 8 kV ESD protection, it is built for demanding, professionally managed LegendNX networks.

Technical Specifications

Ordering Information	
Part Number	LGNX162POEGWM
Ports	
PoE Ports	16 × 10/100/1000 Mbps RJ45 (auto-sensing)
Uplink Ports	2 × 10/100/1000 Mbps RJ45
	2 × 1000 Mbps SFP
Console Port	1 × RJ45
Reset Button	Short press: restart | Long press 5 s: factory settings

*Design and specifications are subject to change without notice - Version 2026-11-09.

TECHNICAL SPECIFICATIONS

Performance	
Switching Capacity	40 Gbps
Packet Forwarding Rate	29.76 Mpps
DDR SDRAM	128 MB
Flash Memory	16 MB
Packet Buffer	4M
MAC Address Table	8K
Jumbo Frame	9.6 KB
VLANs	4096
Standards	
Network Standards	IEEE 802.3, 802.3i, 802.3u, 802.3ab, 802.3z, 802.3ad, 802.3x
	IEEE 802.1ab (LLDP/LLDP-MED), 802.1p, 802.1q, 802.1x, 802.1d (STP), 802.1s (MSTP), 802.1w (RSTP)
Industry Standards	EMI: FCC Part 15, CISPR (EN55032) class A | EMS: EN61000-4-2 (ESD), EN61000-4-5 (Surge)
Network Media	10BASE-T: Cat3/4/5 UTP; 100BASE-TX and 1000BASE-T: Cat5 or better UTP (≤ 100 m)
Fiber Media	Multi-mode: 50/125, 62.5/125, 100/140 μm | Single-mode: 8/125, 8.7/125, 9/125, 10/125 μm
Power over Ethernet	
PoE Standard	IEEE 802.3af (15.4 W), IEEE 802.3at (30 W)
PoE Management	PoE power management, PoE watchdog
Non-PoE Devices	Detected automatically; data only
Software Features	
Basic Functions	Hardware watchdog, factory reset, system and port LEDs
	Global, statistical and log information; user, alarm and configuration management
	Port rate, duplex, flow control and maximum frame length configuration
	Port mirroring, port speed limit, port energy saving
PoE Functions	PoE time management
	PoE automatic monitoring / PoE watchdog
	PoE port power configuration
VLAN	4K VLANs; 802.1Q and port-based VLAN
	Access, Trunk and Hybrid modes; GVRP
	MAC VLAN, IP VLAN, Voice VLAN
MAC	Automatic learning and aging; static, dynamic and filtered address tables

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Security	Password protection; access restriction by port, IP and MAC address
	HTTPS, SSH v1/v2; VLAN-IP-MAC-port binding
	ARP detection, IP source guard, DoS protection; DHCP snooping and attack protection
	802.1X, AAA, RADIUS, TACACS+; port security and port isolation
Access Control	L2 to L4 packet filtering; port mirroring, flow rate limiting, QoS remarking
QoS	8 queues per port; port, 802.1p and DSCP priority; SP and WRR scheduling
Spanning Tree	STP (802.1d), RSTP (802.1w), MSTP (802.1s); multi-instance; BPDU protection
Multicast	IGMP v1/v2/v3 snooping, MLD v1/v2 snooping; fast leave, querier
	Layer 2 IPv4/IPv6 static multicast; IGMP v1/v2/v3 Layer 3 multicast; multicast suppression
Storm Control	Broadcast storm and unknown unicast suppression; ring protection
Link Aggregation	Static and LACP; IP, MAC and mixed load balancing; up to 8 groups of 8 ports
IPv6	IPv6 Ping, Traceroute, Telnet, SSH, HTTP, HTTPS
Management	Web (HTTP, HTTPS), CLI (Telnet, SSH v1/v2, console port)
	SNMP v1/v2/v3, RMON v2, LLDP, SNTP
	CPU and memory monitoring, system log, Ping, Traceroute, cable detection
LED Indicators	
PWR	On: powered | Off: no power
SYS	Flashing: system start-up | On: system running
PoE/ACT	On: PoE on | Off: PoE off
Link/ACT	On: link connected | Flashing: data transmission | Off: link disconnected
Protection	
Surge Protection	4 kV common mode, 2 kV differential mode
ESD	Air discharge: 8 kV | Contact discharge: 6 kV
General	
Power Supply	AC 100-240 V, 50/60 Hz; 200 W
Cooling	Fanless, natural cooling
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	10% to 90%, non-condensing
Storage Humidity	5% to 90%, non-condensing
Mounting	1U, 19-inch rack mount (rack ears included)

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TECHNICAL SPECIFICATIONS

Dimensions (L × W × H)	440 × 204 × 44 mm (17.32" × 8.03" × 1.73")
Package Dimensions	500 × 290 × 85 mm (19.69" × 11.42" × 3.35")
Net Weight	2.8 kg (6.17 lb)
Gross Weight	3.3 kg (7.28 lb)
Package Contents	Switch, instruction manual, certificate and warranty card, power cord, serial cable, 1 pair of rack ears

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