LGNX244POEGWM

24-Port Gigabit PoE Layer 2 Managed Switch – 4 x Base-X Uplinks



24	4	300W	30W	56
PoE	Combo			Gbps
Gigabit PoE Ports	RJ45/SFP Uplinks	Power Supply	Max. per Port	Switching

In Short

This 24-port Gigabit PoE managed switch powers and connects up to twenty-four IP cameras, with four Gigabit combo uplinks that can each be used as an RJ45 or SFP (Base-X) fibre port, plus a console port. Each PoE port delivers up to 30 W under IEEE 802.3af/at from a 300 W power supply, with PoE watchdog and full PoE monitoring. Advanced management through web, CLI, SSH and SNMP adds VLANs (including surveillance VLAN), QoS, IGMP/MLD snooping, LACP link aggregation, STP/RSTP/MSTP, 802.1X/AAA, ACLs, DHCP server and snooping, plus static IPv4/IPv6 routing. With 56 Gbps switching capacity, a 100,000-hour MTBF and a fanless 1U 19-inch design, it is the high-capacity core of larger LegendNX surveillance networks.

Technical Specifications

Ordering Information	
Part Number	LGNX244POEGWM
Ports	
PoE Ports	24 × 10/100/1000 Mbps RJ45 (auto-sensing)
Uplink Ports	4 × Gigabit combo ports (1000 Mbps RJ45 or 1000 Mbps SFP)
Console Port	1 × RJ45
Reset Button	Yes

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

TECHNICAL SPECIFICATIONS

Performance	
Switching Capacity	56 Gbps
Throughput	41.66 Mpps
Packet Buffer	4 Mbit
Flash Memory	16 MB
DDR SDRAM	128 MB
MAC Address Table	8K
Jumbo Frame	9.6 KB
Forwarding Mode	Store-and-forward
MTBF	100,000 hours
Standards	
Network Standards	IEEE 802.3, 802.3i, 802.3u, 802.3ab, 802.3z, 802.3az (EEE), 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)
RFC Compliance	RFC 768, 791, 792, 793, 1112, 2068, 2236, 2710, 3376, 3810; MIBs: RFC 1213, 1493, 1643, 2819, 2863, LLDP, private MIB
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	
Layer 3 Functions	IPv4: VLAN interface, static routes, ARP
	IPv6: VLAN interface, static routes, ND
Port	Port description, speed, duplex, flow control; jumbo frames up to 10K; EEE; fibre module DDM
Link Aggregation	Static and dynamic (LACP); MAC and IP-MAC load balancing; up to 8 groups
Storm Control	Broadcast, unknown multicast, unknown unicast
Port Mirroring	One-to-one and many-to-one; ingress / egress / both; up to 4 sessions
Port Security	MAC address limit, secure MAC address; protect / restrict / shutdown
VLAN	Access / Trunk / Hybrid; Q-in-Q tunnel; VID 1 to 4094, up to 256 static VLANs
	Voice, MAC, surveillance and protocol VLAN; GVRP

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TECHNICAL SPECIFICATIONS

MAC Address	Dynamic, static and filtering addresses
Spanning Tree	STP / RSTP / MSTP; BPDU filter, BPDU guard, edge port
LLDP	LLDP, LLDP-MED
Multicast	IGMP snooping v1/v2/v3, router port, static IGMP groups, IGMP filtering, querier; MLD snooping; MVR
QoS	Strict priority and WRR; port, 802.1p, IP ToS and DSCP priority; up to 8 queues per port; priority remarking
PoE	PoE on/off, PoE watchdog, AF/AT adaptation; PoE temperature and type / level / power / voltage / current monitoring
DHCP	DHCP server (IP pool, static binding), DHCP relay
Security	Access: HTTP, HTTPS, Telnet, SSHv2; manager ACL, session timeout, password retry count, silent time
	AAA: RADIUS, TACACS+; 802.1X (port / MAC / local / web)
	DHCP snooping (global / VLAN, option 82, circuit ID); MAC, IPv4 and IPv6 ACL
Management	Console, HTTP/HTTPS, Telnet, SSH, SNMP v1/v2c/v3 (community, users, groups, trap hosts)
	Static or DHCP IPv4/IPv6 management address, management VLAN, DNS; SNTP and manual time
	RMON (statistics, history, event, alarm); syslog (local and remote server); firmware upgrade, configuration upload/download
LED Indicators	
Indicators	PWR (power), SYS (system), PoE & ACT (ports 1-24), Link & ACT (ports 1-24), Link and ACT (ports 25-28)
General	
Power Supply	Input: AC 100-240 V, 50/60 Hz | Output: 52 V, 300 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
Dimensions (L × W × H)	440 × 280 × 44 mm (17.32" × 11.02" × 1.73")
Package Dimensions	500 × 365 × 85 mm (19.69" × 14.37" × 3.35")
Net Weight	3.47 kg (7.65 lb)
Gross Weight	4.18 kg (9.22 lb)
Package Contents	Switch, power cord, user manual, warranty card, 1 pair of brackets (selectable)

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