



Highlights

- 102W 250m PoE+
 - 802.3af/at up to 30W each port
- 1000 Mbps All Ports
 - 10x the speed of 10/100 Fast Ethernet
- 2-Uplink Ports
 - To connect switches together or directly to a router
- Cloud Level-2 Management
 - Remotely control PoE+ ports, QVLAN, Web/APP & more
- Galvanized Steel Casing
 - For heat dissipation & durability
- Fanless
 - Silent operation

Overview

The neolink neo-8-POE Gigabit Ethernet L2-Managed Cloud Switch provides an easy way to connect PoE/PoE+ devices with plug-and-play installation as well as managing, configuring and controlling settings remotely from anywhere in the world via the Neolink app on iOS and Android as well as from <https://myneocloud.com>.

VLAN allows traffic segmentation and Quality of Service (QoS) allows traffic prioritization.

Furthermore, Auto-MDI/MDIX eliminates the need for crossover cables and Auto-negotiation allocates the highest speed for each port depending on the speed of the networked device.

	neo-4-POE	neo-8-POE	neo-24-POE
Standards	IEEE 802.3ab/u/x/z, IEEE 802.1d/p/q/w		
Forwarding Mode	Store-and-forward		
Uplink Ports	2 x 10/100/1000 Mbps RJ45 Ports	2 x 10/100/1000 Mbps RJ45 Ports	Up to 2 x 10/100/1000 Mbps RJ45 Ports or 2 x Gigabit SFP Slots
PoE Ports	4 x 10/100/1000 Mbps PoE+, up to 30W/Port	8 x PoE+, up to 30W/Port	24 x PoE+, up to 30W/Port
PoE Standards	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
Total PoE/PoE+ Budget	63W	102W	410W
Enclosure	Galvanized Steel	Galvanized Steel	Galvanized Steel
Form Factor	Desktop or wall-mountable	Desktop or wall-mountable	Desktop, wall-mountable, rack-mountable
Fan	No	No	2
Bandwidth	12 Gbps	20 Gbps	48 Gbps
MAC Address Table	2K	16K	8K
Packet Forwarding Rate	8.90 Mpps	14.90 Mpps	35.70 Mpps
Buffer Memory	1 Mb	2 Mb	2 Mb
Jumbo Frame	9K	9K	10K
Auto Negotiation	Yes	Yes	Yes
Auto MDI/MDIX	Yes	Yes	Yes
L2 Features	Loopback Detection, Port Statistics, Flow Control, Mirroring (Port Mirroring, Ingress/Egress/Both)		
VLAN	802.1Q, Port Based, MTU		
Security	802.1x Radius authentication, DHCP snooping, IP-MAC binding, port security supports limited dynamic lock and locked MAC address (256 max entries per port), Port Isolation (Protected Ports)		
Quality of Service (QoS)	First-In, First-Out; Strictly Priority; Weighted Priority		
Storm Control	Support broadcast/unknown multicast/unknown unicast		
Management	Neolink (iOS, Android), https://myneocloud.com , Web Interface		
Protection	Lightning ≥6kV, ESD, Air discharge: ±8kV, Contact discharge: ±4kV		
LEDs	1 x Power, 1x SYS, 5 x Link/Act	1 x Power, 1x SYS, 8 x Link/Act	1x SYS, 1 x PoE Max & 1 x Power (each device), 24 x Link/Act

Operating Temperature	-10°C ~ 45°C (14F ~ 113F)	-10°C ~ 45°C (14F ~ 113F)	-10°C ~ 45°C (14F ~ 113F)
Power	DC 51V 1.25A	DC 51V 1.25A	AC 100-240V
Power consumption	<63W (with PoE)	<102W (with PoE)	<424W (with PoE)
Power Supply Type	External	External	Internal
Dimensions (W x D x H)	100 x 100 x 26 mm	177.5 x 104 x 26 mm	440 x 284 x 44 mm