TL-NS8R2U-POE

1G Network Switch with 8 RJ45 & 2 RJ45 uplink - 30W PoE+

The TL-NS8R2U-POE passes both data and electrical power to a number of PoE-compatible devices via standard twisted pair cables. Equipped with eight Gigabit Ethernet ports, the switch can power wireless LAN access points and bridges, VoIP phones, IP video cameras and more while delivering network speeds of up to 1,000 Mbps.

With a PoE budget of 120 watts, the TL-NS8R2U-POE supports the IEEE 802.3at protocol and can inject up to 30 watts of power per port. IEEE802.3af- or IEEE802.3at-compliant devices attached to the switch require no additional power, which eliminates the time and expense of electrical rewiring and minimizes the unsightly clutter caused by power supplies and adapters in awkward places such as ceilings and walls. Any mix of PoE and non-PoE devices is supported. Thanks to its built-in short-circuit, overload and high-voltage protection functions, your equipment is well-protected.

Equipped with eight auto-sensing 10/100/1000 Mbps RJ45 Gigabit Ethernet ports and two RJ45 uplink ports, the TL-NS8R2U-POE offers plenty of performance for your computers, servers and other networking devices.

LEDs

PWR – Power is supplied via the AC adapter or the PD port when lit.
Link/Act (Green) – A network link has been established when lit; a network link has been established and data packets are being sent and received when flashing; no network link is established when unlit.
PoE (Orange) – Port is supplying power to a connected PoE device when lit; abnormal power supply when flashing; port is not supplying power to a connected PoE device or the connected device does not support PoE when unlit.

Switch

Standard – Default mode; allows normal communication between ports 1 – 10.
VLAN – Isolates ports 1 – 8 from each other but can connect to ports 9 or 10; increases the forwarding rate when broadcast storms occur.
Extend – Allows PoE to be sent over distances up to 250 m (820 ft.); lowers data transmission speeds to 10 Mbps.

Power

Use the included power cord to connect the device (on the rear panel) to an AC outlet. The device supports AC 100 – 240 V, 50/60 Hz.

Located on the left side of the power supply connector, a grounding terminal connector is used to provide proper grounding for the TL-NS8R2U-POE. If you use the chassis grounding screw, it should be wired to an object that provides earth ground. In rackmount installations, grounding is typically provided by the metal frame of the mounting rack.

Rackmount Installation

The switch can be mounted in an EIA standard-sized, 19-inch rack. Attach the mounting brackets on the switch's side panels (one on each side) and secure them with the screws provided. Use the screws provided with the equipment rack to mount the TL-NS8R2U-POE on the rack.