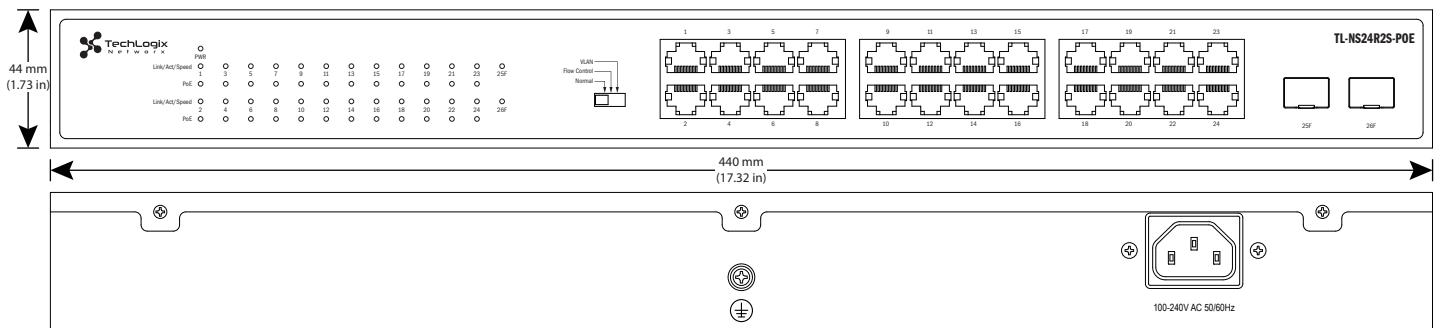# TL-NS24R2S-POE
1G Network Switch with 24 RJ45 & 2 SFP - 30W PoE+

SPECIFICATIONS

- Provides up to 24 PoE network devices with power and data
- Two 1G small form-factor pluggable (SFP) module slots
- PoE power budget of 370 watts
- Power output up to 30 watts per port
- Manual VLAN mode to isolate ports 1 to 24 from each other while allowing them to communicate with SFP uplink ports 25 and 26
- Manual Flow Control Off mode to disable the Gigabit Ethernet switch's flow-control function
- 52 Gbps switch fabric
- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds

- Saves installation costs by delivering data and power over existing twisted pair cables
- Supports IEEE 802.3at and IEEE 802.3af-compliant PoE devices (e.g., wireless access points, VoIP phones, IP cameras)
- Supports IEEE 802.3at/af detection and short circuit, overload and high-voltage protection
- Supports jumbo frames up to 9.2 kBytes
- All RJ45 ports with Auto-MDIX (auto uplink) support
- Two high-volume cooling fans to ensure perfect ventilation
- Includes 19" rackmount brackets
- Fully NDAA-compliant

INPUTS AND OUTPUTS

Data/PSE Output (Ports 1 through 24)	8P8C Port (RJ45)
Data/Uplink (Ports 25, 26)	Small Form-factor Pluggable Port (SFP)
AC Input	IEC C14

SIGNAL SPECIFICATIONS

Fiber Optic Module Support	IEEE 802.3z (Fiber Optic Gigabit Ethernet) Compliant
Supported Fiber Types	Single Mode and Multimode (Depends on the SFP Module)
Maximum Fiber Distance	Depends on SFP Module
Ethernet Port (RJ45) Support	IEEE 802.3 (10Base-T Ethernet), IEEE 802.3ab (Twisted Pair Gigabit Ethernet), IEEE 802.3af (Power over Ethernet 802.3at Type 1) IEEE 802.3at (Power over Ethernet 802.3at Type 2), IEEE 802.3az (Energy Efficient Ethernet EEE), IEEE 802.3u (100Base-TX Fast Ethernet), IEEE 802.3x (flow control, for full duplex mode)
Supported Twisted Pair Cable	1000Base-T Cat5e or higher UTP/STP RJ45
Maximum Twisted Pair Distance Input	100m (328 ft)
Maximum Twisted Pair Distance Output	100m (328 ft)
Backplane Speed	52 Gbps
Switch Architecture	Store and Forward

POWER, ESD, AND REGULATORY

Maximum Power Consumption	400W
Power Input (DC)	100-240V AC, 50/60 Hz
Maximum PoE Budget	370W
Maximum PoE Output per Port (Budget Dependent)	30W
Regulatory	FCC Class A, CE, UKCA, NDAA

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature (Environment)	0° to +40° C (32° to 104° F)
Storage Temperature (Environment)	0° to +70° C (32° to 158° F)
Operating Relative Humidity (Environment)	10% to 90% RH, Non-condensing

CHASSIS SPECIFICATIONS

Enclosure	Steel Housing
Dimensions (H x W x D)	44mm (1.73 in) x 440mm (17.32 in) x 208mm (8.19 in)
Weight	3922.5 g (8.65 lb)

OTHER

Warranty	1 year
Included Accessories	1 ea US Power Cord, 1 ea Power Adapter, 1 ea Product Manual