

CLOUD INTELLIGENT

# L3 PERPETUAL POE+ NETWORK SWITCH

24 | 370 WATTS - 48 PORT | 740 WATTS

POEWIT BRINGS A TRUE ENTERPRISE CLASS  
POE NETWORKING SWITCH TO THE AUDIO &  
VIDEO MARKETPLACE

The NS-24 and NS-48 are true enterprise grade layer 3 switches but designed for home use. They are simple to install and manage, and powered with the fastest hardware in its class.

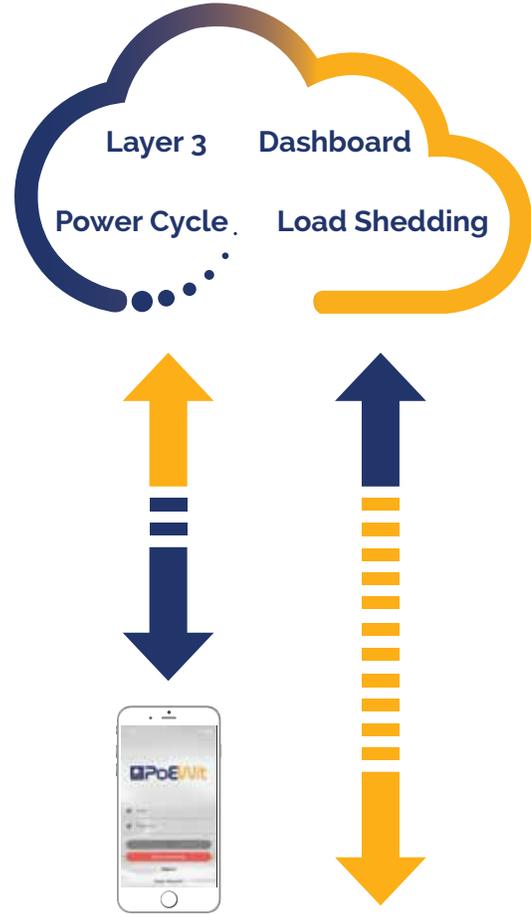


- MAINTAIN POWER TO ANY POE CONNECTED DEVICES DURING WARM REBOOTS WITH PERPETUAL POE
- CLOUD NETWORKED & CONTROLLED BY IOS AND ANDROID APP
- OPTIMIZED FOR AV APPLICATIONS WITH THE FASTEST AV OVER IP SWITCHING SPEEDS
- AN INTEGRATED LIGHTING CONTROLLER WHEN USED WITH THE POEWIT FAMILY OF LIGHTING PRODUCTS



The NS-24 and NS-48 provide the highest power supply in their class with an industry-leading 370 Watts and 740 watts respectively. Also, these PoE switches are designed with perpetual PoE which, allows the user the option to preserve power to any PoE connected devices during warm reboots.

The NS-24 and NS-48 works with PoE Wit Uninterruptible Power Supply, to shut down power automatically to non-critical devices and to preserve power for vital devices. Customers establish power usage pecking orders.



SUPER FAST	NS-24	NS-48	Nearest Competitor
Flash Memory	64MB	64MB	16MB
SDRAM Memory	1GB	1GB	128MB
Packet Buffer	1.5MB	1.5 x 2 = 3MB	512KB
MAC Table Size	16K	16K	8K
Switching Capacity	128 Gbps	176 Gbps	52Gbps
Forwarding Rate	95.2Mpps	130.9Mpps	38.7Mpps



### Key Features

- **Perpetual PoE** Keep the power on for all devices connected to the switch even when rebooting the switch
- **Cloud networked, IOS and Andriod App Controlled**
- All Ports are 24/48 Gigabit Speeds with 4 - 10G uplinks and the fastest back plane in class.
- **Full 30W PoE per port** with industry-leading power budgets; 370 watts for the NS-24 and 740 watts for the NS-48.
- **Variable Speed Fans**, perfect for quiet audio and video applications
- True Layer 3 switch that can route between VLANs at hyper speeds with ARP and Static Routes. Now you can **support AV over IP applications faster** than ever and without a special router.



DESCRIPTION	SPECIFICATIONS
<b>Electrical</b>	<ul style="list-style-type: none"> <li>• Power Requirement: 100~240VAC, 50/60Hz</li> <li>• Power Consumption with Traffic Load: NS-24: 22.51 Watts NS-48: 42.37 Watts</li> </ul>
<b>Layer 2 Features</b>	<ul style="list-style-type: none"> <li>• Flow Control: IEEE 802.3x</li> <li>• Switching Mode: Store-and-Forward</li> <li>• Spanning Tree Protocol (802.1D, 802.1W, &amp; 802.1S), Fast Forwarding, Auto Edge, BPDU Guard</li> <li>• VLANs (802.1Q tagged based and port-based up to 4093), Private VLAN, Voice VLAN</li> <li>• Storm Control (Broadcast, Unknown Multicast, Unknown Unicast )</li> <li>• IGMP Snooping v1/v2/v3, IGMP Immediate Leave</li> <li>• Link Aggregation: LACP and Cisco EtherChannel Liked (Load balance support)</li> <li>• MLD Snooping v1/v2</li> </ul>
<b>QoS (Quality of Service)</b>	<ul style="list-style-type: none"> <li>• Priority Queues: 8 queues</li> <li>• Scheduling for Priority Queue: WRR, Strict and Hybrid (WRR+Strict)</li> <li>• COS: IP Precedence &amp; IP DSCP</li> <li>• DiffServ</li> <li>• AutoVoIP</li> </ul>
<b>Mechanical</b>	<ul style="list-style-type: none"> <li>• Dimension (WxLxH) NS-24: 441.5 x 280 x 44mm (17.38 in. x 11.02 in. x 1.73 in.) NS-48: 441.5 x 440 x 44mm (17.38 in. x 17.32 in. x 1.73 in.)</li> <li>• Weight NS-24: 5.5 Kg (12.12 lb) NS-48: 8 Kg (17.63 lb)</li> </ul>
<b>Layer 3 Features</b>	<ul style="list-style-type: none"> <li>• ARP</li> <li>• Static Route</li> </ul>
<b>Management</b>	<ul style="list-style-type: none"> <li>• Cloud App Controls by IOS and Android</li> <li>• CLI/SNMP v1/v2c/v3</li> <li>• Telnet/SSH</li> <li>• Software and configuration file download/upload: TFTP/FTP</li> <li>• Dual image supported</li> <li>• DHCP: Client / Relay</li> <li>• Event/Error log: local flash and remote server (RFC3164)</li> <li>• Remote PING</li> <li>• DNS Client</li> <li>• SNTPv4</li> <li>• LLDP (802.1ab, Link Layer Discovery Protocol)</li> <li>• Port Mirroring: SPAN/RSPAN</li> <li>• IPv6 Management</li> </ul>
<b>Physical</b>	<ul style="list-style-type: none"> <li>• 24/48 10/100/1000Base-T Ports • 4 1/10G SFP+ Ports</li> <li>• 1 RJ45 Type Console Port</li> <li>• 1 USB Type A Port</li> </ul>

DESCRIPTION	SPECIFICATIONS
<b>PoE (Power over Ethernet)</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3af Power over Ethernet: Delivery of 15W per port</li> <li>• IEEE 802.3at PoE+ : Delivery of 30W per port</li> </ul>
<b>PoE Power Budget</b>	<ul style="list-style-type: none"> <li>• NS24: 370 Watts</li> <li>• NS48: 740 Watts</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Operating Temperature: 0~50°C</li> <li>• Operating Humidity: 90% maximum relative humidity</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• Safety: UL, CB</li> <li>• EMC: CE, FCC</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>• Static and dynamic Port Security (MAC-Locking)</li> <li>• 802.1x: Port-Based, VLAN Assignment, Guest VLAN, Unauthenticated VLAN, QoS Assignment</li> <li>• ACL: L2/L3/L4</li> <li>• IPv6 ACL: L3/L4</li> <li>• RADIUS &amp; T ACACS+</li> <li>• SSH v1.5/v2.0</li> <li>• Local and Remote Authentication, Remote Authentication via RADIUS &amp; TACACS+</li> <li>• DHCP Snooping</li> <li>• MAC Filter</li> <li>• Dynamic ARP Inspection (DAI)</li> </ul>

### A Part of the PoE Wit Tree Family of Lighting Controls

