

## Cloud Managed, 16-Port PoE Network Switch



### PoE Switch

## NSW162GPX

- > Fully Adheres to National Defense Authorization Act (NDAA) Guidelines
- > 16 x 1000Mbps RJ45 PoE ports with 250W Total Capacity
- > 1 x 1000Mbps RJ45 Network ports; 1 x 1000Mbps SFP ;1 x 1000Mbps Combo
- > Support PoE power up to 30W for single port
- > Supports web login or cloud access by QR with remote restart of PoE ports
- > Supports port power and data prioritization, power toggle on each port, and extended mode for up to 250m power delivery on standard network cable
- > Auto detect power device with real-time monitoring and abnormal alarms
- > Supports IEEE802.3x full duplex flow control and backpressure half duplex flow control
- > Line-speed forwarding, intelligent identification, and topology
- > Allows reporting of port abnormal alarms to the software for real-time monitoring

## Specifications

| PoE Network Switch      |                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ports                   | 16 × 1000Mbps PoE ports (RJ45); 1 × 1000Mbps RJ45; 1 × 1000Mbps SFP ;1 × 1000Mbps Combo                                                                                                                                                                                                                                                                                         |
| Standards               | IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at, IEEE802.3az                                                                                                                                                                                                                                                                               |
| Switching Capacity      | 38Gbps                                                                                                                                                                                                                                                                                                                                                                          |
| Forwarding Performance  | 28.272Mpps                                                                                                                                                                                                                                                                                                                                                                      |
| Packet Buffer           | 4Mbit                                                                                                                                                                                                                                                                                                                                                                           |
| MAC                     | 8K                                                                                                                                                                                                                                                                                                                                                                              |
| Dimensions (W x D x H)  | 440 x 189.8 x 44mm; (17.3 × 7.4 × 1.7")                                                                                                                                                                                                                                                                                                                                         |
| Weight                  | <2.18kg (4.8lb)                                                                                                                                                                                                                                                                                                                                                                 |
| Input Voltage/Max Power | 100-240VAC, 50/60Hz                                                                                                                                                                                                                                                                                                                                                             |
| Max Power               | 265W                                                                                                                                                                                                                                                                                                                                                                            |
| Maximum PoE Power       | Max capacity: 250W ; Max capacity for single port: 30W; Mode A, 1/2+, 3/6-; Mode B, 4/5+, 7/8-                                                                                                                                                                                                                                                                                  |
| Prior Ports             | Up to 8                                                                                                                                                                                                                                                                                                                                                                         |
| Cooling Fan(s)          | 1                                                                                                                                                                                                                                                                                                                                                                               |
| Operating Environment   | 0° ~ 40°C (32° ~ 104°F); 10% ~ 90% non-condensing                                                                                                                                                                                                                                                                                                                               |
| Storage Environment     | -40° ~ 70°C (104° ~ 158°F); 5% ~ 90% non-condensing                                                                                                                                                                                                                                                                                                                             |
| Indicator               | <b>POWER:</b> OFF: No AC input; ON (Green): Normal power input; ON (Yellow): PoE power is >85% of the total;<br><b>PoE:</b> OFF: No PoE power supply; ON: PoE power supply is normal;<br><b>LINK/ACT:</b> OFF: No link; Steady ON: Linked; FLASHING: Transmitting data;<br><b>PoE-MAX:</b> OFF: The POE power draw is less than 80%; ON: The POE power draw is greater than 85% |
| Software Specification  |                                                                                                                                                                                                                                                                                                                                                                                 |
| Ethernet                | Supports Full, Half, and Auto-negotiated Duplex; Auto-negotiation rate, Priority flow control, Link aggregation group, Port flow statistics, Enable/disable ports                                                                                                                                                                                                               |
| VLAN                    | Supports access and trunk modes; allows up to 32 VLANs with IDs from 1 to 4094                                                                                                                                                                                                                                                                                                  |
| MAC                     | Supports up to 8K, Clearing the dynamic MAC address                                                                                                                                                                                                                                                                                                                             |
| POE                     | Allows viewing PoE status and power, enabling and disabling of ports                                                                                                                                                                                                                                                                                                            |
| Loop Detection          | Loop Detection                                                                                                                                                                                                                                                                                                                                                                  |
| QoS                     | Supports port rate limit and broadcast storm control                                                                                                                                                                                                                                                                                                                            |
| System                  | Allows viewing of device name, model, serial #, version, IP address, MAC address, DNS, operation time, etc; Edit and manage IP address and device name; Single user management, user authentication, password modification; Manual and NTP time configuration; Up to 32 switch and 64 device topology information                                                               |
| Security                | Support port isolation; Locking login IP address, up to 64 addresses                                                                                                                                                                                                                                                                                                            |
| Maintenance             | Supports 1 port mirroring; unified software configuration, management, and search; Device discovery and network topology; Device upgrade, default, import/export configuration, export logs, and restart                                                                                                                                                                        |