# Pro XG 48 PoE

**SL-USW-Pro-XG-48-PoE** NETWORK SWITCH

Professional-grade, 48-port Layer 3 Etherlighting™ PoE+++ switch with (32) 10 GbE, (16) 2.5 GbE PoE, and (4) 25G SFP28 ports.









## OVERVIEW

| | |
|---|---|
| **Dimensions** | 442 × 480 × 44 mm<br>(17.4 × 18.9 × 1.7") |
| **Port Layout** | |
| 2.5 GbE RJ45 | 16 (All PoE+++)<br>(2.5G/1G/100M/10M)<br>*10/100M half-duplex not supported* |
| 10 GbE RJ45 | 32 (All PoE+++)<br>(10G/5G/2.5G/1G/100M/10M)<br>*10/100M half-duplex not supported* |
| 25G SFP28 | 4<br>(25G/10G/1G) |
| **Max. PoE Output** | Up to PoE+++<br>*802.3bt Type 4, Class 8* |
| **Total PoE Availability** | 200-240V AC: 1080W<br>100-120V AC: 972W |

| | |
|---|---|
| **Redundancy** | DC Power Backup<br>*With RPS* |
| **Layer 3** | ✓ Yes |
| **Form Factor** | Rack mount (1U) |
| **Etherlighting™** | ✓ Yes |

## PERFORMANCE

| | |
|---|---|
| **Switching Capacity** | 920 Gbps |
| **Total Non-Blocking Throughput** | 460 Gbps |
| **Forwarding Rate** | 684 Mpps |
| **Supported VLANs** | 1,000 |
| **MAC Address Table Size** | 32,000 |
| **IPv4 Static Routes** | 512 |
| **Packet Buffer Size** | 8 MB |
| **Access Lists** | |
| IPv4 | 256 |
| MAC | 256 |

## LAYER 3 FEATURES

| | |
|---|---|
| **DHCP Server (Local Networks)** | ✓ Yes |
| **DHCP Relay** | ✓ Yes |
| **Inter-VLAN Routing (Local Networks)** | ✓ Yes |
| **Static Routing (Local Networks)** | ✓ Yes |

## LAYER 2 FEATURES

| | |
|---|---|
| **LACP Port Aggregation** | ✓ Yes |
| **STP & RSTP** | ✓ Yes |
| **QoS (DSCP)** | ✓ Yes |
| **Pro AV Profiles (Play, Dante, Q-SYS, NDI, SDVoE, Shure, AES67, Crestron)** | ✓ Yes |
| **Advanced IGMP Configuration (Querier, Fast Leave, Router Port)** | ✓ Yes |
| **IGMP Snooping** | ✓ Yes |
| **802.1X Control** | ✓ Yes |
| **MAC-Based ACLs & Device Isolation** | ✓ Yes |

| | |
|---|---|
| **DHCP Snooping & Guarding** | ✓ Yes |
| **Egress Rate Limit** | ✓ Yes |
| **Flow Control** | ✓ Yes |
| **Storm Control** | ✓ Yes |
| **Multicast & Broadcast Rate Limiting** | ✓ Yes |
| **MAC Address Blocking** | ✓ Yes |
| **IP-Based ACLs & Network Isolation** | ✓ Yes |
| **MAC-Based Port Restriction** | ✓ Yes |
| **Port Isolation** | ✓ Yes |
| **Port Mirroring** | ✓ Yes |
| **Jumbo Frames** | ✓ Yes |
| **LLDP-MED** | ✓ Yes |
| **Voice VLAN** | ✓ Yes |
| **Loop Protection** | ✓ Yes |
| **Virtual Network Override** | ✓ Yes |

## HARDWARE

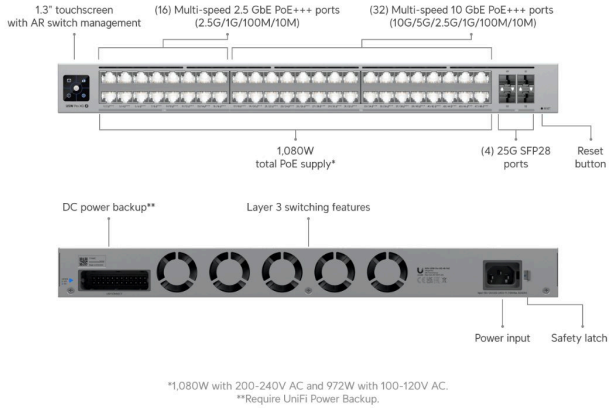
| | |
|---|---|
| **PoE Ports** | |
| PoE+++ | 48 |
| **Max. PoE Wattage per Port by PSE** | |
| PoE | 15.4W |
| PoE+ | 30W |
| PoE++ | 60W |
| PoE+++ | 90W |
| **Max. Power Consumption** | 200W (Excluding PoE Output)<br>200-240V: 1,280W /<br>100-120V AC: 1,172W (Including PoE Output) |
| **Power Method** | (1) Universal input, 100–240V AC, 50/60 Hz<br>(1) USP RPS DC input |
| **Power Input Method** | AC input |
| **Power Supply** | AC/DC, internal, 1,350W |
| **Supported Voltage Range** | 100–240V AC |
| **Management** | Ethernet<br>AR |

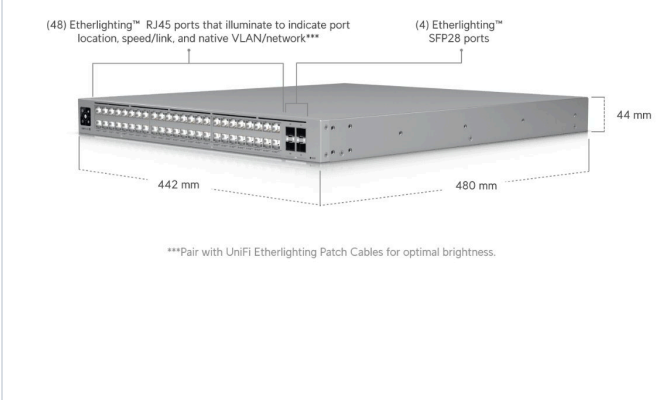
| | |
|---|---|
| **Weight** | Without mounting brackets: 8.7 kg (19.2 lb)<br>With mounting brackets: 8.8 kg (19.4 lb) |
| **Enclosure Material** | SGCC steel |
| **Mount Material** | SGCC steel |
| **Supported Rack Depth** | 482.6 mm (19") four-post racks<br>Posts depths ranging from 600 to 1,066 mm (23.6-42”) |
| **LCM Display** | 1.3" touchscreen |
| **ESD Protection** | Air: ± 30kV, contact: ± 20kV |
| **Ambient Operating Temperature** | -5 to 40° C (23 to 104° F) |
| **Ambient Operating Humidity** | 10 to 90% noncondensing |
| **Etherlighting™** | |
| Ethernet | ✓ Yes |
| SFP28 | ✓ Yes |
| **LEDs** | |
| RPS | ✓ Yes |
| **NDAA Compliant** | ✓ Yes |
| **Certifications** | CE, FCC, IC, Anatel: 04322-25-08356 |

## SOFTWARE

| | |
|---|---|
| **Application Requirements** | |
| Network application | Version 9.1.120 and later |

## PRODUCT DRAWINGS

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