

Technical Specifications for UniFi Pro Max 48 PoE Switch

General

- **Brand:** UniFi (UISP)
 - **Model:** Pro Max 48 PoE
 - **Documentation:** Datasheet, Installation Guide, Marketing Images
 - **Management Interface:** Ethernet In-Band
 - **Firmware Requirement:** UniFi Network Version 8.0.24 and later
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Physical Specifications

- **Dimensions:** 442.4 x 400 x 44 mm (17.4" x 15.7" x 1.7")
 - **Weight:**
 - Without mounting brackets: 6.2 kg (13.7 lb)
 - With mounting brackets: 6.3 kg (13.9 lb)
 - **Enclosure Material:** SGCC steel
 - **Display:** 1.3" touchscreen
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Networking Interfaces

- **RJ45 Ports:**
 - 32x GbE (1 Gbps)
 - 16x 1/2.5 GbE
 - **SFP+ Ports:** 4x 10G
 - **Total Ports:** 52
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PoE Specifications

- **PoE Ports:**
 - 32x PoE/PoE+ (15.4W/30W per port)
 - 16x 60W PoE++
- **Total PoE Budget:** 720W
- **Voltage Range:**

- PoE: 44–57V
- PoE+: 50–57V

Performance

- **Switching Capacity:** 224 Gbps
- **Non-Blocking Throughput:** 112 Gbps

Power Supply

- **Input:**
 - AC: 100–240V, 50/60 Hz
 - DC Backup: USP-RPS input
- **Internal Power Supply:** 820W AC/DC
- **Max Power Consumption (Excluding PoE):** 100W

Environmental

- **Operating Temperature:** -5°C to 40°C (23°F to 104°F)
- **Operating Humidity:** 10–90% non-condensing

Switching Features

Layer 2

- IGMP snooping
- STP/RSTP with priorities
- Port isolation, mirroring, and aggregation (LACP)
- Storm control, Voice VLAN, 802.1X
- MAC blocking, flow control

Layer 3

- Inter-VLAN routing
- Static routing between local networks
- DHCP server/relay

- ACL-based network isolation

Certifications

- CE, FCC, IC

Additional Notes

- **DC Power Backup:** Requires UniFi ProMax Package.
- **Etherlighting™:** Port status indication (location, speed, VLAN).
- **Safety Compliance:** Zipin total PSP safety, RoHS, VOL50%.