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Professional Max & XG

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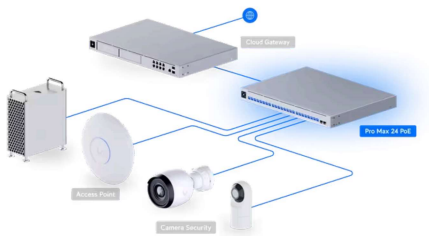
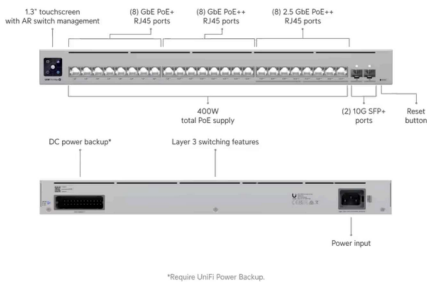
Pro Max 24 PoE

Datasheet

In The Box

Marketing Images

Installation Guide



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Overview

|                        |                                           |
|------------------------|-------------------------------------------|
| Dimensions             | 442 x 325 x 44 mm<br>(17.4 x 12.8 x 1.7") |
| Port Layout            |                                           |
| 1 GbE RJ45             | 16 (8 PoE+; 8 PoE++)<br>(1G/100M/10M)     |
| 2.5 GbE RJ45           | 8 (All PoE++)<br>(2.5G/1G/100M/10M)       |
| 10G SFP+               | 2<br>(10G/1G)                             |
| Max. PoE Output        | Up to PoE++                               |
| Total PoE Availability | 400W                                      |
| Redundancy             | DC Power Backup                           |
| Layer 3                | ✓                                         |

|             |                 |
|-------------|-----------------|
| Form Factor | Rack mount (1U) |
|-------------|-----------------|

|                |   |
|----------------|---|
| Etherlighting™ | ✓ |
|----------------|---|

^ **Performance**

|                    |          |
|--------------------|----------|
| Switching Capacity | 112 Gbps |
|--------------------|----------|

|                               |         |
|-------------------------------|---------|
| Total Non-Blocking Throughput | 56 Gbps |
|-------------------------------|---------|

|                 |         |
|-----------------|---------|
| Forwarding Rate | 83 Mpps |
|-----------------|---------|

|                 |       |
|-----------------|-------|
| Supported VLANs | 1,000 |
|-----------------|-------|

|                        |        |
|------------------------|--------|
| MAC Address Table Size | 16,000 |
|------------------------|--------|

|               |  |
|---------------|--|
| L3 Table Size |  |
|---------------|--|

|             |       |
|-------------|-------|
| ARP Entries | 6,000 |
|-------------|-------|

|                    |        |
|--------------------|--------|
| Packet Buffer Size | 1.5 MB |
|--------------------|--------|

|              |  |
|--------------|--|
| Access Lists |  |
|--------------|--|

|      |     |
|------|-----|
| IPv4 | 128 |
|------|-----|

|     |     |
|-----|-----|
| MAC | 128 |
|-----|-----|

^ **Layer 3 Features**

|                              |   |
|------------------------------|---|
| DHCP Server (Local Networks) | ✓ |
|------------------------------|---|

|            |   |
|------------|---|
| DHCP Relay | ✓ |
|------------|---|

|                                     |   |
|-------------------------------------|---|
| Inter-VLAN Routing (Local Networks) | ✓ |
|-------------------------------------|---|

|                                 |   |
|---------------------------------|---|
| Static Routing (Local Networks) | ✓ |
|---------------------------------|---|

^ **Layer 2 Features**

|                       |   |
|-----------------------|---|
| LACP Port Aggregation | ✓ |
|-----------------------|---|

|            |   |
|------------|---|
| STP & RSTP | ✓ |
|------------|---|

|            |   |
|------------|---|
| QoS (DSCP) | ✓ |
|------------|---|

|                                                                          |   |
|--------------------------------------------------------------------------|---|
| Pro AV Profiles (Play, Dante, Q-SYS, NDI, SDVoE, Shure, AES67, Crestron) | ✓ |
|--------------------------------------------------------------------------|---|

|                                                                |   |
|----------------------------------------------------------------|---|
| Advanced IGMP Configuration (Querier, Fast Leave, Router Port) | ✓ |
|----------------------------------------------------------------|---|

|                                     |   |
|-------------------------------------|---|
| IGMP Snooping                       | ✓ |
| 802.1X Control                      | ✓ |
| MAC-Based ACLs & Device Isolation   | ✓ |
| DHCP Snooping & Guarding            | ✓ |
| Egress Rate Limit                   | ✓ |
| Flow Control                        | ✓ |
| Storm Control                       | ✓ |
| Multicast & Broadcast Rate Limiting | ✓ |
| MAC Address Blocking                | ✓ |
| IP-Based ACLs & Network Isolation   | ✓ |
| MAC-Based Port Restriction          | ✓ |
| Port Isolation                      | ✓ |
| Port Mirroring                      | ✓ |
| Jumbo Frames                        | ✓ |
| LLDP-MED                            | ✓ |
| Voice VLAN                          | ✓ |
| Loop Protection                     | ✓ |

## ^ **Hardware**

### PoE Ports

|       |    |
|-------|----|
| PoE+  | 8  |
| PoE++ | 16 |

### Max. PoE Wattage per Port by PSE

|       |       |
|-------|-------|
| PoE   | 15.4W |
| PoE+  | 32W   |
| PoE++ | 64W   |

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| Max. Power Consumption | 50W (Excluding PoE Output)<br>450W (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, 550W                                                                   |
| Supported Voltage Range                 | 100—240V AC                                                                             |
| Management                              | Ethernet<br>AR                                                                          |
| Heat Dissipation (Excluding PoE Output) | 119 BTU/hr                                                                              |
| Weight                                  | Without mounting brackets: 5.1 kg (11.3 lb)<br>With mounting brackets: 5.2 kg (11.5 lb) |
| Enclosure Material                      | SGCC steel                                                                              |
| Mount Material                          | SGCC steel                                                                              |
| Supported Rack Depth                    | 400~1200 mm<br>(15.7-47.2")                                                             |
| LCM Display                             | 1.3" touchscreen                                                                        |
| Ambient Operating Temperature           | -5 to 40° C (23 to 104° F)                                                              |
| Ambient Operating Humidity              | 10 to 90% noncondensing                                                                 |
| Etherlighting™                          |                                                                                         |
| Ethernet                                | ✓                                                                                       |
| SFP+                                    | ✓                                                                                       |
| NDAA Compliant                          | ✓                                                                                       |
| Certifications                          | CE, FCC, IC, Anatel                                                                     |
| ^ <b>Software</b>                       |                                                                                         |
| Application Requirements                |                                                                                         |
| UniFi Network                           | Version 8.0.24 and later                                                                |

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