

AlphaGateway XMG

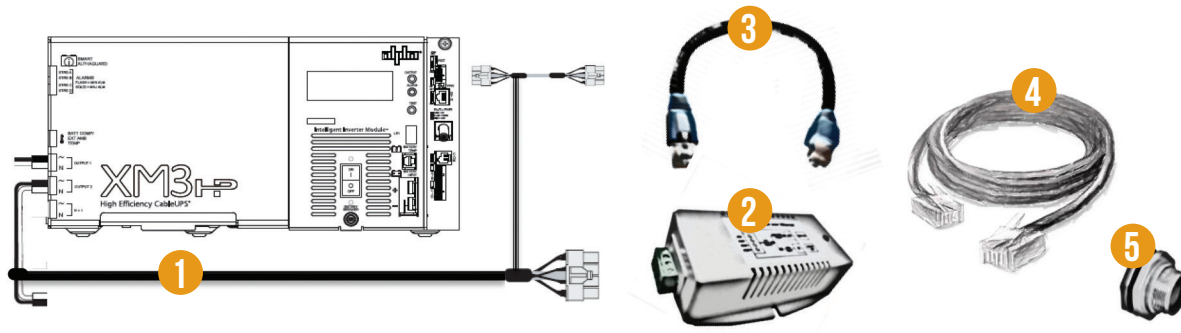
Enable any XM2 or XM3-HP Power Supply Location for Wi-Fi, Security or IoT Delivery



- IEEE 802.3at Power over Ethernet (PoE+) delivery at the power supply
- UPS power from power supply combined with DM3.0 DOCSIS 3.0 backhaul
- Aerial and ground mount applications

Enable your XM2 or XM3-HP power supply cabinets for localized delivery of reliable power, high bandwidth backhaul and mounting for Wi-Fi access points, security cameras, or any other Power over Ethernet (PoE+) device.

The AlphaGateway XMG combines the UPS power from the XM2 or XM3-HP power supply with DOCSIS 3.0 backhaul through the DM3.0 transponder to provide IEEE 802.3at Power over Ethernet (PoE+) powered network connectivity up to 100m from the power supply location, providing maximum flexibility for equipment mounting and positioning.



XMG-01PE Components

- 1 Harness provides power to PoE injector from XM2 or XM3-HP output. PoE power can be cycled remotely using DM3.0's web or SNMP interface.
- 2 PoE Injector provides power and data to 802.3at compatible equipment. Injector mounts against the XM2 or XM3-HP using the included mounting bracket.
- 3 Ethernet interface cable from DM3.0 to PoE injector.
- 4 External Ethernet cable connects the PoE injector to customer equipment (not included in XMG Kit). Optional outdoor rated pre-defined cable lengths are available.
- 5 Weather tight grommet for external Ethernet cable to pass through the enclosure wall.

PoE Injector Specifications

| | |
|--------------------------------------|-------------------------------|
| Compliance: | IEEE 802.3at (PoE+) |
| AC Input: | 57-94VAC 47-63Hz (HFC plant) |
| DC Output Voltage: | 56V |
| Output Current Power: | 0.625A (35W) |
| Max Input Current: | 1.2A fused |
| Max Inrush Current (90VAC): | 50A |
| Efficiency (min): | >84% |
| Line/Load Regulation: | 1% / 5% |
| Ripple/Noise: | 1% / 2% |
| Protections: | Over-voltage, short circuit |
| Surge Protection: | IEC 61000-4-2, +/- 4KV |
| EMC Standards: | FCC Class B, EN55022 Class B |
| Safety Standards: | UL/CSA 60950-1 |
| Environmental Standards: | RoHS |
| Operating Temperature: | -40 to +60°C (-40 to +140°F) |
| Operating Humidity (RH): | 5% - 95% non-condensing |
| Storage Temperature: | -40 to +70°C (-40 to +158°F) |
| Dimensions H x W x D (in/mm): | 4.9 x 3 x 1.5 / 125 x 75 x 38 |
| Weight (oz/g): | 10.6 / 300 |

Ordering Information—XMG Kits

| Model | Kits Include |
|--|---|
| XMG-01PE (Alpha P/N: 746-598-20) | PoE injector with mounting bracket, power/control harness, Ethernet to DM3.0 harness, bulkhead grommet for Ethernet cable internal to external enclosure pass-through |
| XM-WiFi-Kit | XMG-01PE BKT-XM-WiFi, ETH-EXT-5 |

Accessories

| Model | Product Description |
|---|--|
| BKT-XM-WiFi (Alpha P/N: 746-623-20) | Enclosure mounting bracket for wireless AP (AirTight 0-90, Ruckus T300, BelAir 20E0) |
| ETH-EXT-5 | Outdoor Ethernet cable 5' length, RJ-45 terminated both ends |
| ETH-EXT-15 | Outdoor Ethernet cable 15' length, RJ-45 terminated both ends |
| ETH-EXT-50 | Outdoor Ethernet cable 50' length, RJ-45 terminated both ends |



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