

AlphaGateway XMG

**ENABLE ANY XM2 OR XM3-HP POWER SUPPLY LOCATION
FOR WI-FI, SECURITY OR IOT DELIVERY**

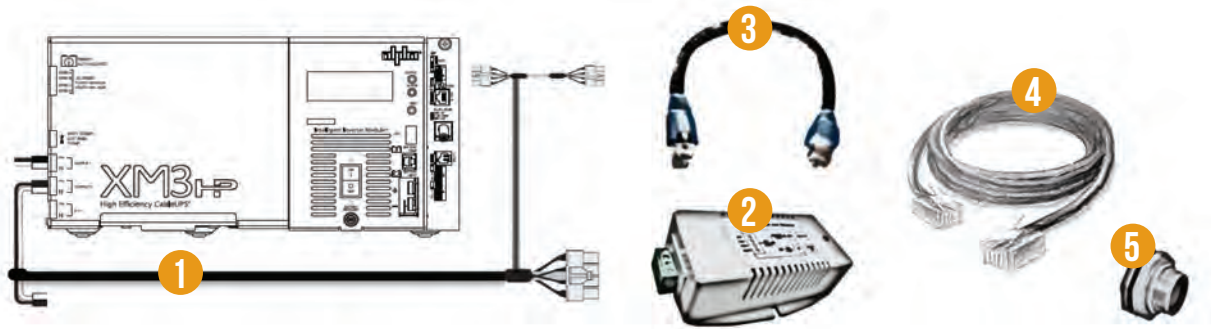


- IEEE 802.3at Power over Ethernet (PoE+) delivery at the power supply
- UPS power from power supply combined with DM3.0 DOCSIS 3.0 backhaul
- Aerial and ground mount applications

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.

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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