



PoE Adapter

Provides Earth Grounding and Surge Protection

Helps Protect Against ESD Events

Powers Ubiquiti® PoE Devices

PoE Adapter

Ubiquiti Networks offers Power over Ethernet (PoE) Adapters to power a variety of Ubiquiti products. The PoE Adapters are compatible with most Ubiquiti PoE devices*, including:

- airFiber®
- airMAX®
- EdgeMAX®
- mFi®
- UniFi® AP
- UniFi Protect / airVision®
- UniFi LED
- UFiber

* Check product specifications to verify PoE compatibility.

Ubiquiti PoE Adapter Compatibility with the airGateway®

Specific PoE Adapter models are designed to work with the airGateway. The airGateway is a compact CPE (consumer premises equipment) gateway with built-in Wi-Fi used to connect the subscriber's local network to the WISP network.

The airGateway is available in three models:

- **airGateway** Standard model with an internal antenna
- **airGateway Pro** Dual-Band Wi-Fi model with an internal antenna
- **airGateway-LR** Long-range Wi-Fi model with an external antenna for extended range

The airGateway plugs into any of these PoE Adapters:

Model Number	Compatibility
POE-15-12W	✓
POE-24-12W	✓
POE-24-12W-G	✓*
POE-24-7W-G-WH	✓*
POE-24-12W-G-WH	✓*

* airGateway maximum LAN port speed: 100 Mbps



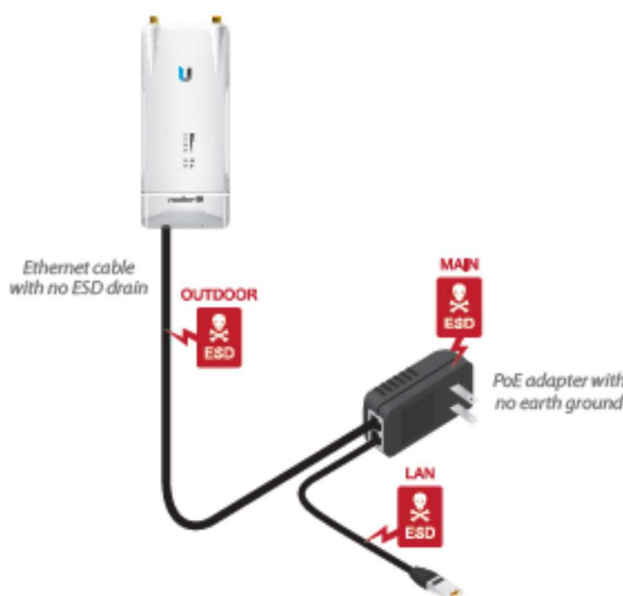
Protection

Ubiquiti PoE Adapters provide a variety of features to help protect your PoE devices:

- Surge protection
- Clamping protection
- Maximum surge discharge
- Peak pulse current
- AC cable with earth ground

Electrostatic discharge (ESD) is the leading cause for outdoor device failures. You can effectively protect against ESD damage using a grounded Ubiquiti PoE Adapter, TOUGH Cable™, and TOUGH Cable Connectors.

Potential for ESD



Areas vulnerable to ESD events in a network without a Ubiquiti PoE Adapter.

Protection Against ESD



Ubiquiti PoE Adapters and TOUGH Cable protect against ESD events in a network.

Specifications

Model	POE48-24W-G
Dimensions	92 x 60 x 33 mm (3.62 x 2.36 x 1.30")
Weight	158.5 g (5.59 oz)
Output Voltage	48VDC @ 0.5A
LAN Activity Indicator	No
Gigabit LAN Port	Yes
Remote Reset Capability	No
Reset Button	No
Rated Voltage	100-240VAC @ 50/60Hz
Input Current	0.6A @ 120VAC, 0.4A @ 240VAC
Inrush Current	<65A Peak @ 120VAC, <130A Peak @ 230VAC
Efficiency	80+%
Output Ripple	1% Max.
Switching Frequency	65 kHz
Line Regulation	≤ 3%
Load Regulation	≤ 5%
2-Pair Powering	Pins 4, 5 (+) and Pins 7, 8 (-)
4-Pair Powering	-
Operating Temperature	0 to 40°C (32 to 104°F)
Storage Temperature	-30 to 70°C (-22 to 158°F)
Operating Humidity	35 to 95% Noncondensing
AC Connector	IEC-320 C6
Data IN / POE	RJ45 Shielded Socket
Surge Protection	Difference and Common Mode
Clamping Protection	11V Data, 60V Power
Max. Surge Discharge	1500A (8/20 μs) Power
Peak Pulse Current	36A (10/1000 μs) Data
Shunt Capacitance	<5 pF data
Response Time	<1 ns
Certifications	CE, FCC, IC, UL



*POE-24-24W
POE-24-24W-G
POE-24-30W*

*POE-48-24W
POE-48-24W-G*