Package Contents

Hardware Overview

ETH IN/OUT Port
Passive surge-protected RJ45 Ethernet ports.
Grounding Point
The ETH-SP-G2 must be grounded by one of the following methods: • Using the included Self-Tapping Screw to ground the ETH-SP-G2 directly to a metal structure or cable tray. • Using an M5 machine screw and nut (not included) to attach a drain wire that is connected to a remote grounding block or structure.

Installation Requirements

Mounting accessories and optional drain wire are not included.

Pole-Mounting:
- Drill with a 6.5 mm drill bit
- (1) Metal strap or cable tie

Wall-Mounting:
- (2) Screws (4.5 mm screw head)
- (1) M5 machine screw and nut
- (1) Drain wire (≤ 16 AWG, ≤ 40 cm)

Optional: Drain wire, M5 machine screw, and nut are not included.

Note: Place the included Serrated Washer between the screw and drain wire.

Installation

Install the ETH-SP-G2 near an Ethernet device. Follow the appropriate steps for your installation:

- "Pole Mounting"
- "Wall Mounting"

Pole Mounting

A metal strap or cable tie is not included.

1.

Note: If the Ethernet device is mounted on the pole with a metal strap, you may use the same strap to attach the ETH-SP-G2.

2.

3.

Note: If you are using a drain wire for grounding, proceed to "Connecting Ethernet".

4.

5.

6. Proceed to "Connecting Ethernet"

Wall Mounting

1.

2.

3.

4.

5.

Connecting Ethernet

Specifications

	ETH-SP-G2
Dimensions	91 x 61 x 32.5 mm (3.58 x 2.4 x 1.28")
Weight	90 g (2.82 oz)
Interface Connections	(2) RJ45 Female Connectors
ESD/EMP Protection	Absorbing Transient Current with Response to Surge Voltage from 100nS to 1KV/µs
DC Spark-Over Voltage	90V @ 100V/s
Maximum Impulse Spark-over Voltage	700V @ 1KV/µs
Discharge Current	10kV
Maximum Insulation Resistance	10Ω @ 50V
Maximum Capacitance	< 3 pF @ 1 MHz
Data Line Protection	RJ45 10/100/1000 Ethernet
IEEE 802.3af PoE Support	Yes
Shock and Vibration Certification	ETS300-019-1-4 Standard
Operating Temperature	-35 to 80° C (-31 to 149° F)
Operating Humidity	10 to 90% Noncondensing

Safety Notices

1. Read, follow, and keep these instructions.
2. Heed all warnings.
3. Only use attachments/accessories specified by the manufacturer.

WARNING: To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

WARNING: Do not use this product in location that can be submerged by water.

WARNING: Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Electrical Safety Information

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
3. This equipment is to be connected to earth ground as a part of the safety certification, modification or removal of the ground may cause a shock hazard that can result in serious injury or death.
4. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
5. Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.

Limited Warranty

ui.com/support/warranty

The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.

Compliance

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. The device may not cause harmful interference, and
2. The device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

ISED Canada

CAN ICES-3(B)/NMB-3(B)

Australia and New Zealand

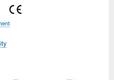
CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.

WEEE Compliance Statement

Declaration of Conformity

Online Resources



© 2022 Ubiquiti Inc. All rights reserved.