



Ethernet Surge Protector

Model: ETH-SP

Low-Cost Protection and Fast Installation

Protects Outdoor Ethernet Devices

Compatible with 10/100/1000 Mbps Networks

Ethernet Surge Protector

ESD Protection for Outdoor High-Speed Networks

Introducing the Ethernet Surge Protector, model ETH-SP, from Ubiquiti Networks. The ETH-SP is a cost-effective solution for protecting outdoor Ethernet devices from damaging electrostatic discharge and surges. Since all Ubiquiti® airMAX® devices already have robust ESD protection built in, adding the ETH-SP to the installation provides an additional layer of protection to the network.

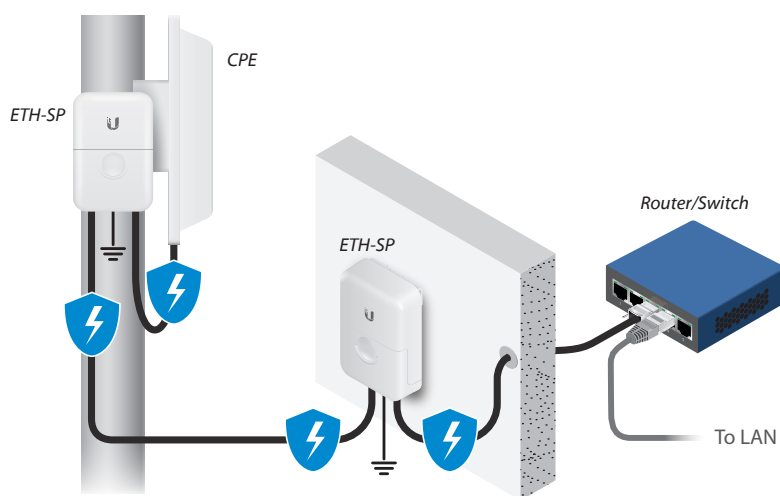
The ETH-SP is engineered to protect Power-over-Ethernet (PoE) or non-PoE devices with connection speeds of up to 1 Gbps. Two passive, surge-protected RJ45 connections provide maximum equipment compatibility.



Ideal for WISP Networks

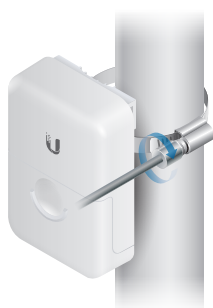
All Ubiquiti airMAX devices are equipped with ESD protection. However, to protect outdoor devices, and to meet certain local code requirements, installing the ETH-SP is essential.

For example, to guard against costly service calls, and to help your subscriber installations meet code requirements, install two ETH-SPs: one near the CPE, and the other at the entry point to the building. Damaging ESD attacks and surges will be absorbed by the ETH-SPs and safely discharged into the ground.

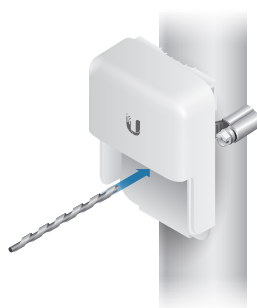


Fast Installation

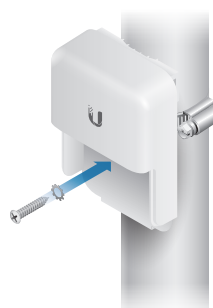
The ETH-SP was designed for easy, plug and play installation:



1. Attach the ETH-SP to a grounded pole.



2. Drill a pilot hole into the pole.



3. Fasten the ground screw.



4. Connect the Ethernet cables.

Specifications

Ethernet Surge Protector	
Dimensions	91 x 61 x 32.5 mm (3.58 x 2.4 x 1.28")
Weight	80 g (2.82 oz)
Interface Connections	(2) RJ45 Female Connectors
ESD/EMP Protection	Absorbing Transient Current with Response to Surge Voltage from 100V/s to 1kV/μs
DC Spark-Over Voltage	90V @ 100V/s
Maximum Impulse Spark-over Voltage	700V @ 1kV/μs
Discharge Current	5kA (Maximum) 0.5kA (Normal)
Maximum Insulation Resistance	1G ohm @ 50V
Maximum Capacitance	1.0 pF @ 1 MHz
Data Line Protection	RJ45 10/100/1000 Ethernet
IEEE 802.3af PoE Support	Yes
Shock and Vibration Certification	ETSI300-019-1.4 Standard
Operating Temperature	-30 to 65° C (-22 to 149° F)
Operating Humidity	10 to 90% Noncondensing



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