



## 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.

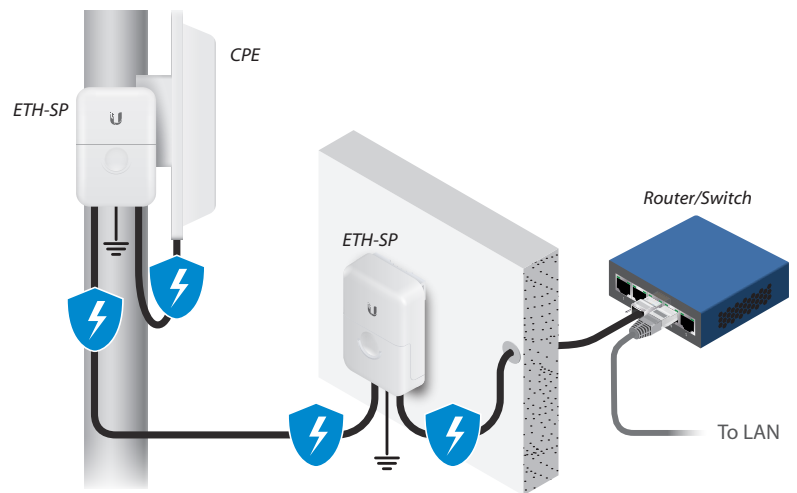
The ETH-SP is engineered to protect Power-over-Ethernet (PoE) or non-PoE devices with connection speeds of up to 1 Gbps. Two passive, surge-protected RJ45 connections provide maximum equipment compatibility.



## Ideal for WISP Networks

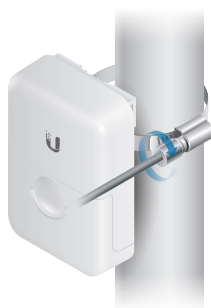
All Ubiquiti airMAX devices are equipped with ESD protection. However, to protect outdoor devices, and to meet certain local code requirements, installing the ETH-SP is essential.

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.

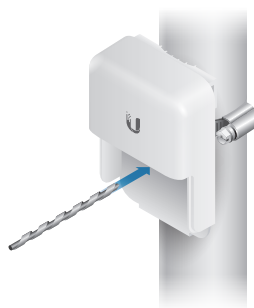


## Fast Installation

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



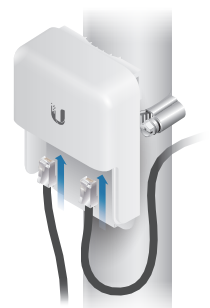
1. Attach the ETH-SP to a grounded pole.



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



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: [www.ubnt.com/support/warranty](http://www.ubnt.com/support/warranty)  
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