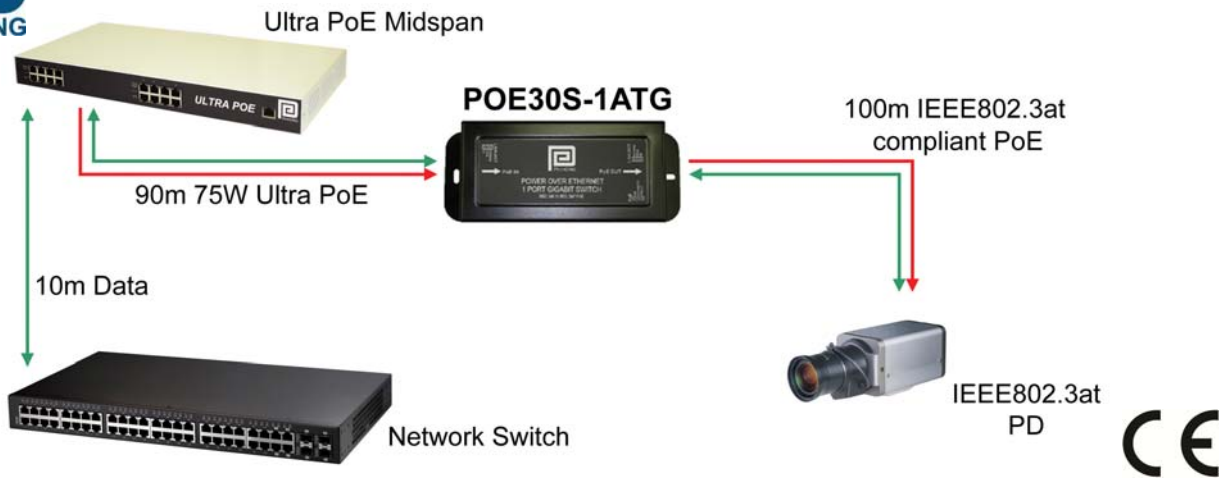




Single Port PoE Gigabit Switch Powered by Ultra PoE Extends Ethernet Data and PoE to 200 Meters



Features

- IEEE802.3at Compliant Output
- 0-55C Operating Temperature Range
- Gigabit Compatible
- Extends Ethernet to 200 meters
- Powered by Ultra PoE
- Detects 12.5K signature resistance
- Boost Circuit to Compensate for Wire Drops
- 1 Year Warranty

Applications

- IP Cameras
- Access Controls
- Wireless Access Points

Safety Approvals

- CE

Mechanical Characteristics

- Length: 120mm (4.72in)
- Width: 60mm (2.36in)
- Height: 32mm (1.26in)
- Weight: 0.6Kg (1.3lb)

Output Specifications

Model	DC Output Voltage			Output Current		Output Power
	Min.	Typ.	Max.	Min.	Max.	
POE30S-1ATG	54V	56V	57V	10mA	550mA	30W

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INPUT:

Input Source

Receives power from Ultra PoE Midspan

Input Detection

12.5K Detection

DC Input Voltage Range

50VDC to 57VDC

DC Input Current

1.6A at 57VDC and maximum load

OUTPUT:

Total Output Power

30W with Ultra PoE Input

Ripple and Noise (Vp-p)

250mV maximum

Output Detection

25K Detection IEEE802.3at compliance

Efficiency

75% minimum at maximum load

ENVIRONMENTAL

Operating Temperature 0 to 40°C
(gigabit data rates)

Operating Temperature 0 to 55°C
(10Mb and 100Mb data rates)

Storage Temperature -25 to +65°C

Humidity 5 to 90%

EMI

EN55022 Class A, FCC part 15 Class A

Warranty

1 Year

Immunity

ESD EN61000-4-2 Level 3

RS EN61000-4-3 Level 3

Surge EN61000-4-5 Level 2

Isolation (HI-POT)

2121VDC for 1 min, 10mA

Insulation Resistance

Input to Ground: >10M OHM 500VDC

Output to Ground: >10M OHM 500VDC

FEATURES

Over Current Protection

For PoE Class 0-3 Detection on Output: 450mA maximum

For PoE Class 4 Detection on Output: 650mA maximum

Short Circuit Protection

Outputs equipped with short circuit protection
The output can be shorted permanently without damage

Indicators

Ethernet – Green LED1 and LED2 -
IN/OUT 10Mb Activity

Green LED1 – 100Mb Activity

Green LED2 – 1Gb Activity

Orange LED3 – Link Activity

POE Blinking GREEN – Unit is ON
Active with No Load

Solid GREEN – Unit has
detected a valid IEEE802.3at
load

Blinking RED/GREEN – unit
has detected an invalid load

Solid RED – unit is in over-load
condition

Input/Output Connectors

RJ45

Input Connection

Pins: 1,2 7,8 GND / Pins: 3,6 4,5 +VIN

Output Connection

Pins: 1,2 GND / Pins: 3,6 +VIN

