



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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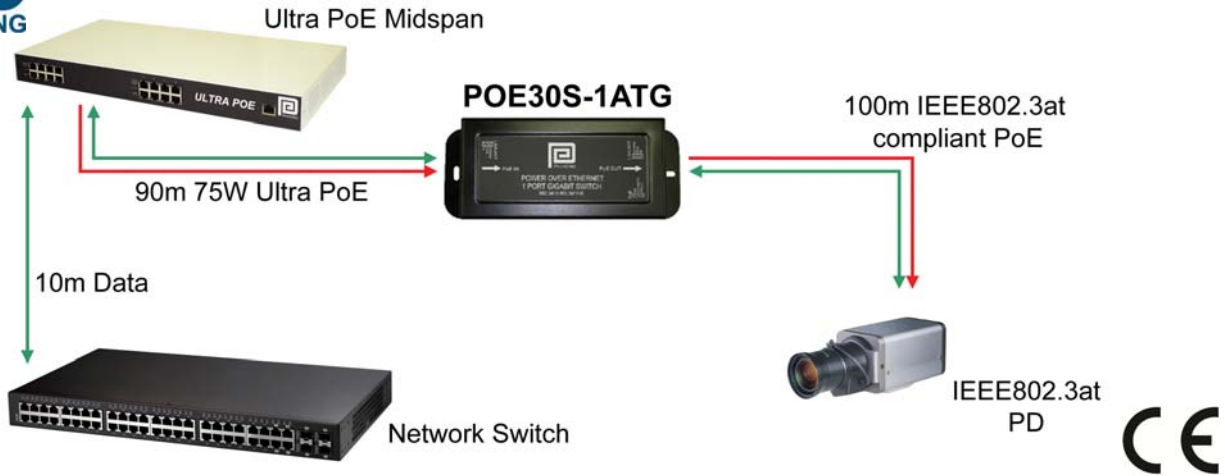
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## Single Port PoE Gigabit Switch Powered by Ultra PoE Extends Ethernet Data and PoE to 200 Meters



### 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 – IN/OUT** **Green LED1 and LED2** - 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

