



# POE-ATS Series Layer 2 Unmanaged PoE+ Switches

The POE-ATS Series comprises four models of Fast and Gigabit Ethernet unmanaged Power over Ethernet Plus (PoE+) switches, designed as low cost, easy to implement solutions where workgroups need to support devices such as IP Phones which require powering from the switch over UTP data cable.

## High Performance Switches for Small and Large Networks

The POE-ATS Series offers two Fast Ethernet and two Gigabit Ethernet models - an 8 and 24 port switch for each network environment. Both 8 port models are housed in a robust all metal desktop case. The 24 port models have an all metal 1RU 19" rackmount case. Rackmount kits are provided.



All models in the series are designed to provide non-blocking, wirespeed performance even with full duplex activity on all ports.

## The Power of PoE+

All POE-ATS series switches provide IEEE 802.3af and the latest 802.2at 'PoE+' Power over Ethernet. With all RJ-45 ports supporting PoE+, devices such as IP Phones and Wireless Access Points can now be connected directly to the network with data and power supplied over a single UTP cable, reducing deployment and maintenance costs and making it much easier to install devices exactly where they are required. With POE-ATS series 802.3at PoE+ support, up to 30 watts of power can be supplied per port, so power hungry devices such as Pan Tilt Zoom IP Security Cameras can be connected directly to the network. Whatever your requirements may be, the POE-ATS series offers low cost PoE solutions with individual models supporting from 8 to 24 PoE+ ports.

## Low cost, Easy To Implement PoE Solutions

POE-ATS series are designed for fast, hassle-free deployment into Ethernet environment networks of all sizes. All models in the series provide RJ-45 port interfaces which support MDI/MDI-X and PoE standards, thus ensuring complete plug and play network and PoE PSE (power sourcing) connectivity. In addition, the POE-ATS series offers exceptional value, with some of the lowest per port costs of any PoE switch currently on the market.

### KEY FEATURES

### ALLOY POE-ATS LAYER 2 UNMANAGED POE+ SWITCHES



- Up to 24 PoE+ IEEE 802.3at Power over Ethernet RJ-45 ports (802.3af compatible)
- Fully compliant to IEEE 802.3af and 802.3at PoE standards
- Fast Ethernet and Gigabit Ethernet models
- Each PoE+ port provides up to 30 watts of power - enough for PTZ IP security cameras and Wireless Access Points as well as IP Phones
- Up to 120 or 220 watts power budget for 8 or 24 port switch models
- Wirespeed performance - up to 48Gbps switching capacity
- 8 and 24 port models ideal for small and enterprise networks
- Fast, plug and play deployment
- Robust all metal desktop or 1RU rackmount cases
- Industry-leading per port value

## POE-ATS Series L2 Unmanaged PoE Switches: Part Numbers and Ports

|            |   |
|------------|---|
| POEFE8TV2  | Layer 2 Unmanaged Fast Ethernet switch, 8x PoE+ RJ-45     |
| POEFE24TV2 | Layer 2 Unmanaged Fast Ethernet switch, 24x PoE+ RJ-45    |
| POEGE8T    | Layer 2 Unmanaged Gigabit Ethernet switch, 8x PoE+ RJ-45  |
| POEGE24T   | Layer 2 Unmanaged Gigabit Ethernet switch, 24x PoE+ RJ-45 |

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# POE-ATS Series Layer 2 Unmanaged PoE+ Switches Specifications

LAYER 2 UNMANAGED POE+ SWITCHES



POEFE8TV2      POEFE24TV2      POEGE8T      POEG24T

## Standards

|  |     |     |     |     |
|--|-----|-----|-----|-----|
| IEEE 802.3 10Base-T Ethernet             | Yes | Yes | Yes | Yes |
| IEEE 802.3u 100Base-TX Fast Ethernet     | Yes | Yes | Yes | Yes |
| IEEE 802.3ab 1000Base-T Gigabit Ethernet | •   | •   | Yes | Yes |
| IEEE 802.3x Full Duplex Flow Control     | Yes | Yes | Yes | Yes |
| IEEE 802.3af Power over Ethernet         | Yes | Yes | Yes | Yes |
| IEEE 802.3at Power over Ethernet         | Yes | Yes | Yes | Yes |

## Interfaces

|                         |                   |                    |                   |                    |
|-------------------------|-------------------|--------------------|-------------------|--------------------|
| Total Ports, comprising | 8x100Base-TX PoE+ | 24x100Base-TX PoE+ | 8x1000Base-T PoE+ | 24x1000Base-T PoE+ |
|-------------------------|-------------------|--------------------|-------------------|--------------------|

## Performance

|                                   |             |                      |             |                      |
|-----------------------------------|-------------|----------------------|-------------|----------------------|
| Switching capacity                | 1.6Gbps     | 4.8Gbps              | 16Gbps      | 48Gbps               |
| Forwarding rate (10/100/1000Base) | 14880/48800 | 14880/148800/1488000 | 14880/48800 | 14880/148800/1488000 |
| MAC Address Table Size            | 2K          | 8K                   | 8K          | 16K                  |

## Power over Ethernet

|                                       |  |      |      |      |
|---------------------------------------|--|------|------|------|
| Total IEEE 802.3af/at PoE Ports       | 8  | 24   | 8    | 24   |
| Max AF/AT Power Per Port              | 15.4W 802.3af / 30W 802.3at                              |      |      |      |
| Max AF/AT Power Per Port at full load | 17W  | 9W   | 17W  | 9W   |
| Total Switch Power Budget             | 120W   | 220W | 120W | 220W |
| PoE Pinouts                           | PoE delivered on pins 4, 5 (Power-); 7 and 8 (Power+)    |      |      |      |
| Required Cable Type                   | IEEE 802.3af PoE requires UTP or STP Cat5 or above cable |      |      |      |

## Mechanical

|                            |                                  |   |                                  |   |
|----------------------------|----------------------------------|---|----------------------------------|---|
| Form Factor                | Desktop case                     | 1RU Rackmount case                              | Desktop case                     | 1RU Rackmount case                              |
| Dimensions (W x D x H, mm) | 280 x 179 x 44.5                 | 441 x 208 x 44                                  | 280 x 179 x 44.5                 | 441 x 208 x 44                                  |
| Weight                     | 1.5Kg (3.3Lbs)                   | 2.55Kg (5.62Lbs)                                | 1.5Kg (3.3Lbs)                   | 2.55Kg (5.62Lbs)                                |
| LED Indicators             | System Power, LINK/ACT, POE      |   |                                  |   |
| AC Input                   | 100-240VAC internal power supply | 100-240VAC, 50-60Hz, 0.7A internal power supply | 100-240VAC internal power supply | 100-240VAC, 50-60Hz, 0.7A internal power supply |

## Environmental

|                           |  |
|---------------------------|--|
| Temperature               | 0° to 40°C (operating); -40° to 70°C (storage) |
| Humidity (non-condensing) | 10%-90% (operating); 5%-90% (storage)          |

## Certification

|                      |                       |
|----------------------|-----------------------|
| Standards compliance | C-Tick, CE, FCC, RoHS |
|----------------------|-----------------------|

## Package Contents

|            |  |
|------------|--|
| All models | Switch, power cord, rackmount kit, CD-ROM manual |
|------------|--|

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