



CENTRALISE • OPTIMISE • ECONOMISE

## PoE Network Switch



- 24 x 10/100/1000M POE Ports
- 1 x 1000M Ethernet Uplink Port
- 1 x 1.25G SFP Uplink Port
- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE802.3 af/at/bt standards
- Compatible with iDrive® PoE LED drivers and PoE compliant 3rd party equipment

## Product Overview

The iDrive® PoE switch provides seamless connectivity for 10/100/1000M Ethernet communication, whilst the PoE function can automatically detect and power devices that comply with international IEEE802.3af / IEEE802.3at / IEEE802.3bt standards. For non-PoE devices the integrated intelligence detects these and shuts down the PoE function on that port.

Devised firstly for PoE based lighting control and power, this product also works perfectly with other IP-based terminals such as IP phones, wireless access points, network cameras for example.

With simple installation and maintenance methods and rich features, the iDrive® PoE switch helps users to build a safe and reliable high-performance powered network. This makes it ideal for the core or convergence layer of intelligent building networks.

## Specifications

### Network and PoE

Ports: 24 x 10/100/1000M PoE, 1 x 1000M Ethernet Uplink, 1 x 1.25G SFP Uplink.

Network protocols: IEEE802.3 u, x, ab, z

PoE standard: IEEE 802.3af / IEEE 802.3at / IEEE802.3bt

Single port PoE Power: Max: 15.4W (IEEE 802.3af), 30W (IEEE 802.3at), 90W (IEEE 802.3bt)

PoE output voltage: 48V DC

PoE power pins: 1/2 -V ; 3/6 +V (bt: 1/2 -V 3/6 +V ; 4/5 +V 7/8 -V)

Bandwidth: 8.8Gbps

Packet forwarding rate: 6.55Mpps

Packet buffer memory: 4M

MAC: 16K

Forwarding mode: store-and-forward

### Input power

Input voltage range: 48 - 56V DC

Maximum input power: Switch- 20W, PoE- 2160W

### Mechanical

Dimensions: 445mm x 285mm x 45mm

Mounting: 19" Rack mounting

Construction: Metal case to IP20

Weight: 3.2Kg

### Environmental

Operating ambient temperature: -40°C to +80°C

Storage ambient temperature: -40°C to +85°C

Relative humidity: 90% non condensing

### Protection

Over voltage, over temperature, overload, short circuit, over power, withstand 300V AC surge input for 5 seconds



[www.istl.com](http://www.istl.com)

[sales@istl.com](mailto:sales@istl.com)

Integrated System Technologies Ltd.,  
55 Wellington Crescent, Fradley,  
Lichfield WS13 8RZ

iDrive® products are covered by IST's worldwide patent portfolio. For more information please refer to [www.istl.com](http://www.istl.com)

24 Port 10/100M PoE Switch  
802.3 af/at/bt, 24 10/100/1000M PoE Ports, 1 \*1000M Ethernet Uplink

Version  
V1.1