

# eSwitch 16

16 Port GigE PoE Switch 60 - 100W

- + High performance networking switch and power distribution system for high speed industrial process control and rapid image transfer
- + High speed cross-point switch permits GigE transfers on all ports simultaneously
- + Compact, rugged system operates from 110 - 220 V, 50 - 60 Hz AC
- + Resistant to environmental dust
- + Up to 90W can be delivered to a peripheral on a single Cat 5 cable under I.E.E.E. 802.3af/at
- + 10/100/1000 Base T
- + Link Speed & PoE Status are signaled by LEDs for each Port
- + Auto-Crossover
- + Auto-Negotiation
- + Jumbo frame support
- + PTP (I.E.E.E. 1588) Time Stamps
- + Remote diagnostics of port performance, traffic, and cable integrity
- + Remote control of power to each port

## Applications

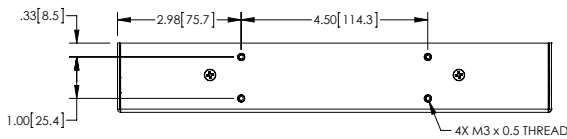
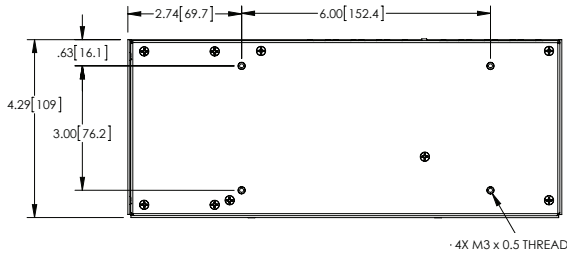
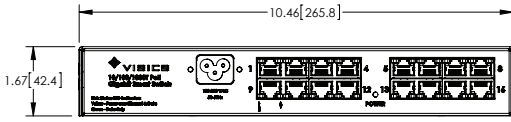
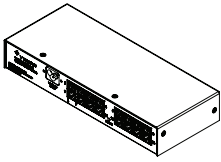
- Power GigE PoE cameras and peripherals
- Connect industrial PoE devices to computers and non-PoE switches
- Mix and match non-PoE devices and different bit rates
- Link remote devices onto factory networks

First Reliable Industrial 16 Port GigE Ethernet Switch which Fully Supports I.E.E.E. 802.3af/at Intelligent Power Over Ethernet



The eSwitch 16 is an extremely rugged and compact industrial Ethernet switch that can provide 1000 Base T communication and a total of 100 Watts of power to 16 attached devices which support the IEEE 802.3af/at specification. Up to 90 Watts of power can be delivered to any particular port.

This permits simultaneous camera and peripheral operation over each Cat 5e or Cat 6 cable – providing power, image data transfer, triggering, strobe control, and event notification over the same connection.



Note: all dimensions are in inches (mm)

## eSwitch 16

### Specifications

CE certified

Throughput: 1Gbit/port, full duplex

Jumbo frame support

RoHS compliant

Auto-Crossover, Auto-Negotiation, Auto-Polarity

Operate in Unmanaged and Managed Modes

### Standards (all ports)

802.3/802.3u/802.3ab

10baseT/100baseT/1000BaseT Ethernet

802.3af, 802.3at Power-over-Ethernet

802.3z Gigabit Ethernet

802.3x flow control

802.1d Spanning Tree Protocol, (STP),  
802.1w Rapid STP, 802.1s Multiple STP

802.1x port access authentication

802.1Q/p 4096 VLAN IDs

### Power

Supply Voltage

110 – 220 VAC

Supply Current

85 mA

(at 115 VAC, no ports delivering PoE Power)

Supply Current

1.0 A

(at 115 VAC, all ports delivering total of 90W PoE Power)

### Environmental

Acceleration

15 G

Shock

50 G

Thermal Operating Range (Case)

-30 to 50 °C

Thermal Storage Range (Ambient)

-60 to 85 °C

Humidity

0 – 95% NC



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