

# CEN-SWPOE-16

## 16-Port Managed PoE Switch

- > Rack-mount 16-port managed Ethernet switch
- > All ports support 1000Base-T Gigabit Ethernet
- > Provides full PoE (802.3at Type 1) on all ports simultaneously
- > Also supports PoE+ (802.3at Type 2) powered devices
- > Provides up to 34.2W per port, 255W total
- > PoE switchable per port via a control system
- > Auto-negotiating and auto MDI/MDIX
- > Layer 2 managed switching functionality
- > Port configuration settings for speed and duplex
- > LLDP (Link Layer Discovery Protocol) support
- > Port mirroring capability
- > 32 Gbps switching fabric (non-blocking)
- > Configured via simple-to-use Web browser interface
- > Customizable front panel labeling
- > AV friendly, single-space rack-mount design



The CEN-SWPOE-16 offers control system networking made easy, providing Crestron® guaranteed performance and reliability for a complete Ethernet network of touch screens, control processors, servers, and other devices in a single-space rack mount package. All 16 ports are Gigabit capable to ensure maximum bandwidth for multimedia and critical control data. All ports are located on the rear of the unit while the front panel provides clear indication of each port's status, providing an ideal form factor for use in a typical 19" AV equipment rack. Customizable front panel labeling makes it easy to designate each port with a friendly, descriptive name.

Power over Ethernet (PoE) is furnished simultaneously across all 16 ports, providing a centralized power source for numerous PoE powered devices and eliminating the need for cumbersome power supplies and extra wiring. The CEN-SWPOE-16 provides full PoE (802.3at Type 1) from all 16 ports simultaneously. It also supports PoE+ (802.3at Type 2) from any port, delivering a maximum of 34.2 Watts per port up to a total of 255 Watts for all ports. PoE at each port can be switched on and off via a Crestron control system allowing equipment to be shut down to save power when not needed.

Advanced configuration of the CEN-SWPOE-16 is enabled through an intuitive Web browser interface. Port mirroring capability allows for monitoring and troubleshooting.

## SPECIFICATIONS

### Ethernet

**Ports:** (16) 10/100/1000Base-T auto-sensing Gigabit Ethernet w/PoE  
**Network Standards:** IEEE 802.3, 802.3u, 802.3ab, 802.3bc, 802.3af, 802.3at Type 1 and 2

**Transmission Method:** Store-and-Forward

**MAC Addresses:** Up to 4K

**Switch Fabric:** 32 Gbps non-blocking

### Indicators

**PWR:** (1) green LED, indicates operating power supplied via main power input

**LINK/SPEED 1 – 16:** (16) green/yellow dual-color LEDs, indicates Ethernet link status and speed for each corresponding port

**ACT 1 – 16:** (16) yellow LEDs, indicate Ethernet activity for each corresponding port

**POE 1 – 16:** (16) green LEDs, indicate PoE is active and a PoE powered device is connected to each corresponding port

**10/100/1000 POWER OVER ETHERNET 1 – 16 (rear):** (2) LEDs per each of (16) Ethernet ports, left green/amber dual-color LEDs indicate Ethernet link status and speed for each corresponding port, right amber LEDs indicate Ethernet activity for each corresponding port

### Connectors

**10/100/1000 POWER OVER ETHERNET 1 – 16:** (16) 8-wire RJ45, female; 10/100/1000Base-T Ethernet ports and PoE Power Sourcing Equipment (PSE) outputs;

Supports IEEE 802.3at Type 1 PoE, Class 0-3 (15.4W) power sourcing at all ports simultaneously;

Supports IEEE 802.3at Type 2 PoE+, Class 4 (34.2W) power sourcing from any ports up to the maximum specified power capabilities;

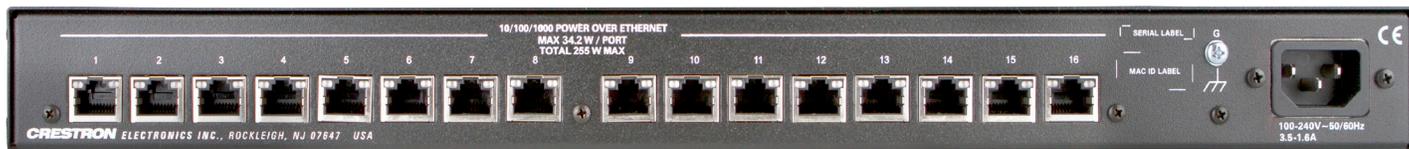
Maximum 34.2 Watts per port, 255 Watts total

**G:** (1) 6-32 screw, chassis ground lug

**100-240V~50/60Hz 3.5-1.6A:** (1) IEC C14 male chassis plug, main power input; Mates with removable power cord, included

**COMPUTER (front):** (1) USB Type B female; USB computer console port (6 ft cable included); For setup only

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CEN-SWPOE-16 – Rear View

## Power Requirements

**Main Power:** 3.5-1.6 Amps @ 100-240 Volts AC, 50/60 Hz

## Environmental

**Temperature:** 32° to 104°F (0° to 40°C)

**Humidity:** 10% to 90% RH (non-condensing)

**Heat Dissipation:** 171 BTU/hour

## Enclosure

**Chassis:** Metal, black finish, fan-cooled, vented sides

**Faceplate:** Aluminum, black finish with polycarbonate label overlay

**Mounting:** Freestanding or 1U 19-inch rack-mountable (adhesive feet and rack ears included)

## Dimensions

**Height:** 1.73 in (44 mm)

**Width:** 17.28 in (439 mm);  
19.0 in (483 mm) with ears

**Depth:** 10.06 in (256 mm)

## Weight

6.4 lb (2.9 kg)

## Notes:

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

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## MODELS & ACCESSORIES

### Available Models

CEN-SWPOE-16: 16-Port Managed PoE Switch

### Available Accessories

CBL-CAT5E-P-50: Ethernet LAN Cable, Plenum, 50 ft

DM-CBL-8G-NP: DigitalMedia 8G™ Cable, non-plenum

DM-CBL-8G-P: DigitalMedia 8G™ Cable, plenum

DM-8G-CONN-100: DigitalMedia 8G™ Cable Connector, 100-Pack

DM-8G-CRIMP: Crimping Tool for DM-8G-CONN

MP-WP183: Media Presentation Wall Plate - Ethernet

MPI-WP183: Media Presentation Wall Plate - International Version - Ethernet

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