

# CEN-SWPOE-ULTRA-12

## 12 Port Ultra PoE Managed Switch



- *Class-leading NETGEAR® AV network switch*
- *Rack-mount 12 port managed switch*
- *Ten 1000Base-T Gigabit Ethernet ports*
- *Supports PoE++ (802.3bt Type 3) on eight Ethernet ports*
- *Provides up to 90 W per port, 720 W total*
- *Two 10 Gigabit Base-X SFP+ ports*
- *Selectable DM NVX® and DM NAX™ AV-over-IP profiles*
- *Layer 2 and Layer 3 managed switching functionality*
- *LLDP (Link Layer Discovery Protocol) support*
- *60 Gbps switching fabric (non-blocking)*
- *Simple-to-use Web browser interface*

NETGEAR's class-leading AV network switches are designed to make integration with Crestron AV-over-IP products as simple as possible. The CEN-SWPOE-ULTRA-12 is a 12 port managed Ethernet switch that provides PoE++ from eight of its ports. The two 10 Gigabit Base-X SFP+ ports enable use of transceiver modules to connect to a fiber network.

### DM NVX and DM NAX Profiles for Quick Configuration

When configuring a DM NVX or DM NAX system, select the appropriate profile to automatically configure the CEN-SWPOE-ULTRA-12 with the multicast functionality required for AV-over-IP.

### Web Browser Interface

Using a streamlined interface, quickly and completely configure individual ports or assign AV profiles for use with DM NVX or DM NAX systems. An advanced command line interface is also available.

### Two SFP+ Ports

All SFP+ ports offer 10 Gigabit Base-X connections with support for both multimode and single-mode fiber transceiver modules, such as the [SFP-10G-SR](#).

### Power Over Ethernet++

PoE++ is supplied simultaneously across 10 ports, providing a centralized power source for numerous PoE++ powered devices and eliminating the need for cumbersome power supplies and extra wiring. Up to 90 W is provided per port up to a maximum of 720 W.

## Specifications

### Ethernet

<b>Ports</b>	(2) 10/100/1000Base-T auto-sensing Gigabit Ethernet (8) 10/100/1000Base-T auto-sensing Gigabit Ethernet w/PoE++ (2) 10 Gigabit Base-X SFP+
<b>Network Standards</b>	IEEE 802.3af, 802.3at, 802.3bt
<b>MAC Addresses</b>	Up to 16K
<b>Switch Fabric</b>	60 Gbps non-blocking

### Lite Layer 3 Package

<b>Management</b>	Out-of-band; IT Web GUI (main); HTTPs, CLI, Telnet, SSH; SNMP, MIBs, RSPAN; Radius users, TACACS+
<b>IPv4/IPv6 ACL and QoS</b>	Ingress/egress; 1 Kbps shaping, time-based; Single rate policing
<b>IPv4/IPv6 Multicast Filtering</b>	Automated IGMP between switches; IGMPv3 MLDv2 snooping, proxy ASM and SSM; IGMPv1, v2 querier (compatible with v3); Control packet flooding
<b>IPv4/IPv6 Policing and Convergence</b>	Auto-VoIP; Policy-based routing; LLDP-MED; IEEE 1588 PTPv2
<b>IPv4/IPv6 Authentication Security</b>	Successive tiering (DOT1X, MAB, Captive portal); DHCP snooping; Dynamic ARP inspection; IP source guard
<b>IPv4/IPv6 Static Routing</b>	Port, subnet, VLAN routing; Multicast static routes; DHCPv4 server; DHCP relay; Stateful DHCPv6 Server
<b>IPv4/IPv6 Dynamic Routing</b>	IPv4: RIP; IPv4/IPv6: PIM-SM, PIM-DM, SSM
<b>Spanning Tree Green Ethernet</b>	STP, MTP, RSTP; PV(R)STP; BPDU/STRG; EEE 802.3az

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<b>VLANs</b>	Static, dynamic, voice, MAC; GVRP/GMRP; Double VLAN mode; Private VLANs
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### Indicators

<b>POWER</b>	(1) green LED, indicates operating power supplied via main power input
<b>FAN</b>	(1) green LED, indicates fan is in operation
<b>PoE MAX</b>	(1) green LED, indicates the unit is supplying the maximum amount of PoE
<b>OOB</b>	(2) green LEDs for Ethernet port, indicates Ethernet link status for out-of-band (service) port
<b>1-8</b>	(2) LEDs per each (8) Ethernet port, left (green) LEDs indicate Ethernet link status for each corresponding port, right (blue) LEDs indicate PoE for each corresponding port
<b>9-10</b>	(1) green LED per each (2) Ethernet port, indicates Ethernet link status for each corresponding port.
<b>11-12</b>	(1) green LED per SFP+ port, indicates active connection

### Connectors

<b>OOB</b>	(1) 8-wire RJ45, female; 10/100/1000Base-T Ethernet port
<b>CONSOLE</b>	USB-C® port, female
<b>USB-C</b>	USB-C® port, female
<b>100-240V</b>	(1) power connector
<b>USB</b>	USB Type B, female
<b>LED EXT</b>	USB-C® port, female
<b>1-8</b>	(8) 8-wire RJ45, female; 10/100/1000Base-T Ethernet ports and PoE Power Sourcing Equipment (PSE) outputs; Supports IEEE 802.3bt Type 3 PoE++ power sourcing from any ports up to the maximum specified power capabilities; Maximum 90 Watts per port, 720 Watts total
<b>9-10</b>	(2) 8-wire RJ45, female; 10/100/1000Base-T Ethernet ports
<b>11-12</b>	(2) SFP+ ports, female; 10 Gigabit Base-X SFP+

### Power Requirements

<b>Main Power</b>	10 Amps @ 100–240 Volts AC, 50/60Hz
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<b>Power Consumption</b>	Max PoE: 837.7 W No PoE: 26.3 W Standby: 18 W
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### Environmental

<b>Temperature</b>	32° to 122° F (0° to 50° C)
<b>Humidity</b>	10% to 90% RH (non-condensing)
<b>Ambient Noise</b>	50.5 dB at 77° F (25° C)

### Construction

<b>Chassis</b>	Metal, black finish, fan-cooled, vented sides
<b>Mounting</b>	Freestanding or 1U 19-inch rack-mountable with reversible rack ears

### Dimensions

<b>Height</b>	1.7 in. (43.2 mm)
<b>Width</b>	17.32 in. (440 mm)
<b>Depth</b>	10.11 in. (257 mm)

### Weight

8.44 lb (3.83 kg)

### Model

**CEN-SWPOE-ULTRA-12**  
12 Port Ultra PoE Managed Switch

### Available Accessories

For a list of available accessories, visit the [CEN-SWPOE-ULTRA-12](#) product page.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/How-To-Buy/Find-a-Representative](http://www.crestron.com/How-To-Buy/Find-a-Representative) or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to [www.crestron.com/warranty](http://www.crestron.com/warranty) for full details.

The specific patents that cover Crestron products are listed online at [patents.crestron.com](http://patents.crestron.com).

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