

CEN-SWPOE-30-ULTRA

30 Port Ultra PoE Managed Switch



- *Class-leading NETGEAR® AV network switch*
- *Rack-mount 30 port managed switch*
- *Twenty-six 1000Base-T Gigabit Ethernet ports*
- *Supports PoE++ (802.3bt Type 4) on 24 Ethernet ports*
- *Provides up to 90 W per port, maximum 1440 W combined output*
- *Four 1 Gigabit SFP ports*
- *Selectable DM NVX® AV-over-IP and DM NAX® Audio-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*

Class-leading NETGEAR® AV network switches are designed to make integration with Crestron AV-over-IP products as simple as possible. The CEN-SWPOE-30-ULTRA is a 30 port managed Ethernet switch that provides PoE++ from 24 of its ports. The four 1 Gigabit Base-X SFP ports enable use of transceiver modules to connect to a fiber network.

DM NVX and DM NAX AV-over-IP Profiles

When configuring a DM NVX AV-over-IP or DM NAX Audio-over-IP network, select the appropriate profile to automatically configure the CEN-SWPOE-30-ULTRA with the multicast management functionality required.

Web Browser Interface

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

Four SFP Ports

All SFP ports offer 1 Gigabit Base-X connections with support for both multimode and single-mode fiber transceiver modules.

Power Over Ethernet++

PoE++ is supplied on 24 ports, offering a centralized power source for multiple devices while eliminating extra wiring and bulky power supplies. Up to 90 W is provided per port with a combined maximum output of 1440 W.

Specifications

Ethernet

Ports	(2) 10/100/1000Base-T auto-sensing Gigabit Ethernet; (24) 10/100/1000Base-T auto-sensing Gigabit Ethernet w/PoE++; (4) 1 Gigabit Base-X SFP
Network Standards	IEEE 802.3af, 802.3at, 802.3bt
MAC Addresses	Up to 16K
Switch Fabric	60 Gbps non-blocking

Lite Layer 3 Package

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

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VLANs	Static, dynamic, voice, MAC; GVRP/GMRP; Double VLAN mode; Private VLANs
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Controls & Indicators

POWER	(1) green LED, indicates operating power supplied via main power input; Repeated on front and rear panels
FAN	(1) green LED, indicates fan is in operation; Repeated on front and rear panels
PoE MAX	(1) green LED, indicates the unit is supplying the maximum amount of PoE; Repeated on front and rear panels
OOB	(2) green LEDs for Ethernet port, indicates Ethernet link status for out-of-band (service) port
1-24	(2) LEDs per each (24) Ethernet port, left (green) LEDs indicate Ethernet link status for each corresponding port, right (blue) LEDs indicate PoE for each corresponding port; Repeated on front and rear panels
27-30	(1) green LED per SFP+ port, indicates active connection; Repeated on front and rear panels
On/Off	(1) Rocker switch, turns main power on or off
RESET	(1) Recessed push button; Used for reboot or factory reset

Connectors

OOB	(1) 8-wire RJ45, female; 100/1000Base-T Ethernet port
CONSOLE	(1) 8-wire RJ45, female
USB-C	USB-C® port, female
100-240V	(2) power connectors
USB	USB Type A, female
LED EXT	USB-C® port, female
1-24	(24) 8-wire RJ45, female; 100/1000Base-T Ethernet ports and PoE Power Sourcing Equipment (PSE) outputs; Supports IEEE 802.3bt Type 4 PoE++ power sourcing from any ports up to the maximum specified power capabilities; Maximum 90 W per port, 1440 W total
25-26	(2) 8-wire RJ45, female; 10/100/1000Base-T Ethernet ports

27-30	(4) SFP ports, female; 1 Gigabit Base-X SFP
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Power Requirements

Power Consumption	Single AC Connection, Max PoE: 889 W; Dual AC Connection, Max PoE: 1734 W; Full Mesh Traffic, No PoE: 48.8 W; Standby: 36.9 W
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Environmental

Temperature	32° to 113° F (0° to 45° C)
Humidity	10% to 90% RH (non-condensing)
Acoustic Noise	60 dBA at 77° F (25° C)

Construction

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

Dimensions

Height	1.7 in. (43.2 mm)
Width	17.32 in. (440 mm)
Depth	15.78 in. (400 mm)

Weight

14.87 lb (6.75 kg)

Model

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Available Accessories

For a list of available accessories, visit the [CEN-SWPOE-30-ULTRA](#) 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 or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

The specific patents that cover Crestron products are listed online at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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