CEN-SWPOE-12

12 Port PoE+ Managed Switch



- *Class-leading NETGEAR® AV network switch*
- *Rack-mount 12 port managed switch*
- *Ten 1000Base-T Gigabit Ethernet ports*
- *Provides PoE+ (802.3at Type 2) on eight Ethernet ports, maximum 125 W combined output*
- *Two 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*
- *24 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-12 12 port managed Ethernet switch provides PoE+ from eight of its ports. The two 1 Gigabit Base-X SFP ports enable use of transceiver modules to connect to a fiber network.

Web Browser Interface

Using a streamlined interface, quickly configure individual ports or assign AV profiles for use with DM NVX AV-over-IP or DM NAX audio-over-IP systems. An advanced command line interface is also available. Selecting a DM NVX or DM NAX profile from the web interface automatically configures the CEN-SWPOE-12 with the required multicast management functionality.

Two SFP Ports

Both 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 eight ports, offering a centralized power source for multiple devices while eliminating extra wiring and bulky power supplies. Up to 30 W is provided per port with a combined maximum output of 125 W.

Specifications

Ethernet

Ports	(2) 10/100/1000Base-T auto-sensing Gigabit Ethernet; (8) 10/100/1000Base-T auto-sensing Gigabit Ethernet w/PoE+; (2) 1 Gigabit Base-X SFP
Network Standards	IEEE 802.3af, 802.3at
MAC Addresses	Up to 16K
Switch Fabric	24 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

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	(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
1-8	(2) LEDs per each (8) Ethernet port, green LEDs indicate Ethernet link status for each corresponding port, blue LEDs indicate PoE for each corresponding port; Repeated on front and rear panels
9-10	(1) green LED per each (2) Ethernet port, indicates Ethernet link status for each corresponding port; Repeated on front and rear panels
11-12	(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; 10/100/1000Base-T Ethernet port
CONSOLE	(1) 8-wire RJ45, female
USB-C	USB-C® port, female
100-240V	(1) power connector
USB	USB Type A, female
LED EXT	USB-C® port, female
1-8	(8) 8-wire RJ45, female; 10/100/1000Base-T Ethernet ports and PoE Power Sourcing Equipment (PSE) outputs; Supports IEEE 802.3at Type 2 PoE+ power sourcing from any ports up to the maximum specified power capabilities; Maximum 30 W per port, 125 W total
9-10	(2) 8-wire RJ45, female; 100/1000Base-T Ethernet ports
11-12	(2) SFP ports, female; 1 Gigabit Base-X SFP

Power Requirements

Power Consumption	Max PoE: 163.9 W; Full Mesh Traffic, No PoE: 17.3 W; Standby: 8.5 W

Environmental

Temperature	32° to 113° F (0° to 45° C)
Humidity	10% to 90% RH (non-condensing)
Acoustic Noise	Fanless: 0 dBA; Quiet Mode: 27.4 dBA at 77° F (25° C); Cool Mode: 55 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	7.87 in. (200 mm)

Weight

6.28 lb (2.85 kg)

Model

CEN-SWPOE-12
12 Port PoE+ Managed Switch

Available Accessories

For a list of available accessories, visit the CEN-SWPOE-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 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.

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