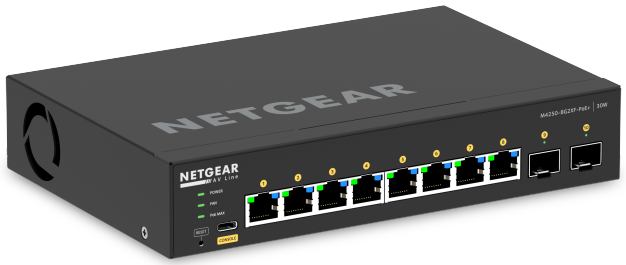
CEN-SWPOE-10

10 Port PoE+ Managed Switch



- *Class-leading NETGEAR® AV network switch*
- *Small form factor with versatile mounting options*
- *10 port managed switch*
- *Eight 1000Base-T Gigabit Ethernet ports*
- *Supports PoE+ (802.3at Type 2) on all Ethernet ports*
- *Provides up to 30 W per port, 220 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*
- *56 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-10 is a 10 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-10 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 8 ports, providing a centralized power source for numerous PoE+ powered devices and eliminating the need for cumbersome power supplies and extra wiring. Up to 30 W is provided per port up to a maximum of 220 W.

Specifications

Ethernet

Ports	(8) 10/100/1000Base-T auto-sensing Gigabit Ethernet w/PoE+ (2) 10 Gigabit Base-X SFP+
Network Standards	IEEE 802.3af, 802.3at
MAC Addresses	Up to 16K
Switch Fabric	56 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

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Spanning Tree **Green Ethernet**	STP, MTP, RSTP; PV(R)STP; BPDU/STRG; EEE 802.3az
VLANs	Static, dynamic, voice, MAC; GVRP/GMRP; Double VLAN mode; Private VLANs

Indicators

POWER	(1) green LED, indicates operating power supplied via main power input
FAN	(1) green LED, indicates fan is in operation
PoE MAX	(1) green LED, indicates the unit is supplying the maximum amount of PoE
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, left (green) LEDs indicate Ethernet link status for each corresponding port, right (blue) LEDs indicate PoE for each corresponding port
9-10	(1) green LED per SFP+ port, indicates active connection

Connectors

OOB	(1) 8-wire RJ45, female; 10/100/1000Base-T Ethernet port
CONSOLE	USB-C® port, female
USB Storage	USB Type A, female
54V - 4.7A	(1) power connector
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 Watts per port, 220 Watts total
9-10	(2) SFP+ ports, female; 10 Gigabit Base-X SFP+

Power Requirements

Main Power	4.7 Amps @ 100–240 Volts AC, 50/60Hz
Power Consumption	Max PoE: 257.7 W No PoE: 18.14 W Standby: 9.51 W

Environmental

Temperature	32° to 122° F (0° to 50° C)
Humidity	10% to 90% RH (non-condensing)
Ambient Noise	3 dB at 77° F (25° C)

Construction

Chassis	Metal, black finish, fan-cooled, vented sides
Mounting	Freestanding, or mountable on a flat surface

Dimensions

Height	1.57 in. (40 mm)
Width	8.26 in. (210 mm)
Depth	5.51 in. (140 mm)

Weight

2.13 lb (967 g)

Model

CEN-SWPOE-10
10 Port PoE+ Managed Switch

Available Accessories

For a list of available accessories, visit the CEN-SWPOE-10 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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Specifications are subject to change without notice.

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Rev 01/19/23

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