

# Comnet CNGE11FX3TX8MSPoEK Hardened 11 Port Gigabit Managed Ethernet Switch 3 SFP Ports 8 RJ45 Ports with POE

<b>Connectors</b>	
10/100/1 OOOBase-TX Ports	8 x RJ-45
100/1 OOOBase-X Port	3 x SFP1
Serial Console Port	USB Type B Connector (115200bps, 8, N, 1)
Power	2 x 2-Pin Terminal Block
Fault Relay	3-Pin Terminal Block
<b>Switch Properties</b>	
Switching latency	7 Ms
Switching bandwidth	28 Gbps
DRAM	1GB
Flash	128Mb
VLANs	Voice, Private, Multicast
Max. Available VLANs	256
IGMP multicast groups	128 for each VLAN
Port rate limiting	User Defined
Processing	Store-and-Forward
Priority Queues	8
Network Redundancy	STP RSTP MSTP ERPS
MAC Table	8K MAC Addresses
Jumbo Frame	Up to 9.6K Bytes
Static Routing	32 Routes
<b>Security Features</b>	
Device Binding security feature Enable/disable ports, MAC based port security	SNMPv3 encrypted authentication and access security
	https / SSH enhance network security
Port based network access control (802.1x)	Switch/port based, NAS, ACL, ARP
	inspection and IP sourceguard
VLAN (802.1Q) to segregate and secure network traffic	AAA radius server authentication
	TACACS+
Radius centralized password management	SNTP
Input Power	Redundant 12 to 57 VDC (non-PoE model)
	Redundant 12 to 24 VDC (POE/24 model)
	Redundant 48 to 57 VDC (POE & POEHO models)
Power Consumption	15 W Max, non-PoE
	255 W Max w/ PoE+ (POE model)
	155 W Max w/PoE+ @ 24 VDC (POE/24 model)
	125 W Max w/PoE+ @ 12 VDC (POE/24 model)
	375 W Max w / PoE++ (POEHO model)
Overload Current Protection	Present
Reverse Polarity Protection	Present
<b>Mechanical</b>	
Indicating LEDs	Power/Fault Indicators Alarm Indicator RJ45 Port Indicator SFP Port Indicator PoE Indicators
Size (H x W x D)	6.0 x 3.5 x 4.5 in (15.24 x 8.89 x 11.43 cm)
Installation	DIN-Rail or Wall Mount
Weight	2.6 lb/1.2 kg
<b>Environmental</b>	
Storage Temperature	-40 to 85Å° C
Operating Temperature	-40 to 75" C
Operating Humidity	5% to 95% Non-condensing

MTBF

>100,000 hours