Comnet CNGE20FX4TX16MS All Gigabit Managed Ethernet Switch with (16) 10/100/1000TX plus (4) 100/1000FX SFP Ports

Ethernet	
Mac Address	8KMAC address table
Jumbo Frame	9216 Bytes
VLAN Group	256 (VLAN ID 1-4094)
VLAN Arrange	Port Based VLAN, Q-in-Q (VLAN Stacking), GVRP
Port Mirroring	Per Port, Multi-source port
IP Multicast	IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
Storm Control	Broadcast, Multicast, Unknown unicast
Redundancy	IEEE802.1D-STP, IEEE802.1s MSTP, IEEE802.1w-RSTP, X-Ring Pro with ultra high-speed recovery time less than 20 ms
QoS	
Priority Queue Scheduling	WRR (Weighted Round Robin), SP (Strict Scheduling Priority) Hybrid Priority
Class of Service	IEEE 802.1p Based CoS, IP TOS, DSCP based CoS
Rate Limiting	Ingress Rate limit, Egress Rate limit
Link Aggregation	IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking
Security	
Port Security	Static, Dynamic
Authentication	802/lx (Port-Based, MD5/TLS/TTLS/PEAP Encryption)
Management	
DHCP	Client, Server, Option66/67/82
Access	SNMP v1/v2c/v3, WEB, Telnet, RMON, Standard MIB, Private MIB
Security access	SSH2.0, SSL
Software upgrade	TFTP, HTTP, Dual Image
NTP	SNTP client
Connectors	
10/100/1 OOOBase-T(X)	16 x RJ45
100/1000Base-FX	4 x 100/1000 SFP sockets Requires selection of sold-separately SFP1 Modules. See ComNet data sheet "SFP Small Form-Factor Pluggable Modules* for number and description of SFP modules.
Console	RS232 connector, RJ45
Power	6-pin Screw Terminal Block (including relay)
Power	
Reserve Polarity Protection	Present
Overload Current Protection	Present
Power Supply	12 - 48VDC, Redundant power
Fault Output	1 Relay Output
Power Consumption	TBD
Mechanical	
LED	Link/Activity/Speed, R.M., SYS, Alarm, Power 1, Power 2
Case	IP-30 Metal
Case Dimensions	2.91 x 4.13 x 5.98 in (7.4 x 10.5 x 15.2 cm)
Installation	DIN Rail (35mm track) or Wall Mount
Environmental	
MTBF	>220,000 hours
Operating Humidity	10% to 95% (Non-condensing)
Operating Temperature	-40'Cto 75'C
Storage Temperature	-40T-85T