



CET2-0800 Series

8-Port Industrial Ethernet Switch, 12-48VDC Power Input

- 8-port 10/100T(X) Fast Ethernet
- Redundant power inputs design, 12-48VDC
- IP30 Rugged Metal Case Design
- Operating temperature range -10°C ~ 65°C



Specification

Technology	
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet
Processing Type	Store and forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switching Fabric (Back-Plane)	1.6Gbps
Memory Buffer	448Kbits
MAC Table Size	1K
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
Interface	
RJ45 Ports	8*10/100 Base-T(X) Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting
Relay Contact	24 VDC, 1A resistive
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)
Power Requirements	
Input Voltage	Dual 12-48VDC redundant power inputs
Power Connection	1 removable 6-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max. 2.2W full loading
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions (W x H x D)	40 x 95 x 70 mm (1.6 x 3.7 x 2.8 inch)
Weight	Unit weight: 0.34kg (0.74 lb), Shipping weight: 0.48kg (1.05 lb)
Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	STD: -10°C ~ 65°C (14°F ~ 149°F) EOT: -40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2 Class A: IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Safety	UL61010-1, UL61010-2-201
Compliance	NEMA TS2 (ITS) (apply by request)
MTBF	1,749,433 hrs (Telcordia SR-332, Issue 3, GB, 25°C)
Warranty	5 Years
NOTE: Due to continuous improvement, all product specifications are subject to change without further notice.	

Packet Contents	pcs
CET2-0800(-T) Ethernet switch	1
Wall-mount installation kits	2
Quick installation guide (QR code)	1

Comparison Table				
Model Name	10/100T(X)	100/1000(F)X SFP	Power Inputs	Operating Temperature
CET2-0800	8	-	12-48VDC	-10°C ~ 65°C
CET2-0500	5	-	12-48VDC	-10°C ~ 65°C

Ordering Information	
CE2-0800	8-Port Industrial Ethernet Switch, 12-48VDC, -10° C ~ 65° C

Dimension

