



Industrial Networking Solutions

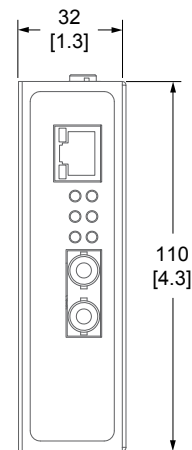
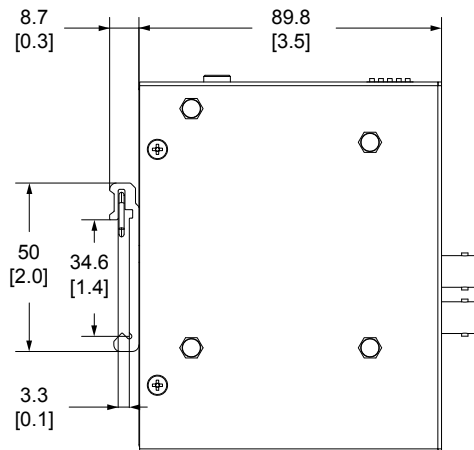
Media Converters



Media Converters | DIN-Rail/Wall Mount | Metal Housing | IP30 Rating



Industrial Smart Fast Ethernet to Fiber Media Converters				
Part Number [MFG #]	10/100 RJ45 Ports	Fiber Ports	Rated Distance	Features
E45CT-1-FM-2KM [EF23-1-1FM-SC-2]	1	1 (Multi-Mode)	2 Km	Redundant Power Input
E45CT-1-FS-30KM [EF23-1-1FS-SC-30]	1	1 (Single-Mode)	30 km	



Feature Highlights:

- Supports Auto MDI/MDI-X and Auto Negotiation
- Supports Multi-mode 2KM, Single-mode 30KM
- Supports Link Fault Pass-Through (LFP)
- Operating temperature -10~70 °C



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Specifications & Approvals



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Technology		
Standards	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X), 100BaseFX	
Interface		
RJ45 Ports	10/100BaseT(X)	
Fiber Ports	100BaseFX (SC connector)	
LED Indicators	PWR,SPD,TX_LINK/ACT,TX_FDX/ COL,FX_LINK/ACT,FX_FDX/COL	
DIP Switch	TX Duplex mode, FX Duplex mode, Speed mode, LFP, Auto Negotiation	
Power Management		
Input Voltage	6-48 VDC	
Input Current	0.5A max, 6 VDC	
Connector	Removable 3-pin Screw Terminal Block	
Reverse Polarity Protection	Present	
Environmental Limits		
Operating Temperature	-10°C ~ 70°C (14°F ~ 158°F)	
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)	
Ambient Relative Humidity	5 to 95%, 55°C (non-condensing)	
Optical Fiber Specifications		
P/N	100Base	
	Multi-mode	Single-mode
Distance	2Km	30Km
Bit rate(Mbps)	155	155
Wavelength(nm)	1310(LED)	1310(FP)
Application	Fast Ethernet / OC3	S1.1 / Fast Ethernet
TX Power(dBm)	-14~-20	-8~-15
RX Sens.(dBm)	<-31	<-34
Remark	E45CT-1-FM-2KM	E45CT-1-FS-30KM

Regulatory Approvals				
EMI	FCC Part15, CISPR (EN55032) Class A			
EMC	EN61000-4-2 (ESD) Level 3, Criteria B / EN61000-4-3 (RS) Level 2, Criteria A EN61000-4-4 (EFT) Level 3, Criteria A / EN61000-4-5 (Surge) Level 3, Criteria B/A EN61000-4-6 (CS) Level 2, Criteria A			
EMS Test		Item	Value	Level
IEC 61000-4-2	ESD	Contact Discharge Air Discharge	6KV,Criterion A 8KV,Criterion B	3 3
IEC 61000-4-3	RS	Enclosure ports	3V/m(unmodulated, r.m.s) 80% AM 1KHz, Criterion A	2
IEC 61000-4-4	EFT	Power Port Single Port	±2KV,Cirterion A ±1KV,Cirterion A	3 3
IEC 61000-4-5	Surge	Power Port Single Port	±2KV,Cirterion A ±2KV,Cirterion B	3
IEC 61000-4-6	CS	Power Port Single Port	3V/m(unmodulated, r.m.s) 80% AM 1KHz, Criterion A	2 2
Shock	MIL-STD-810F Method 516.5			
Drop	MIL-STD-810F Method 516.5			
Vibration	MIL-STD-810F Method 514.5 C-1 & C-2			
RoHS II	Yes			
MTBF	823877 hrs (94.04Years) (Data base: MIL-HDBK-217F, GB 25°C)			
Warranty	5 Years			