



Industrial Networking Solutions

Media Converters

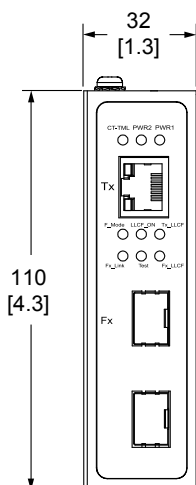
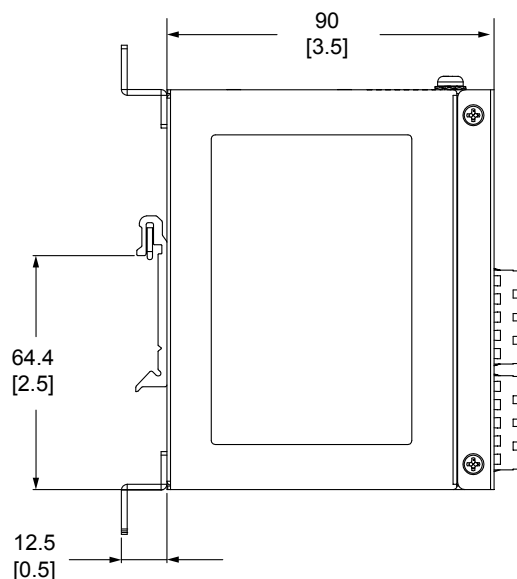


Media Converters | 2 Fiber Ports | DIN-Rail/Wall Mount | Metal Housing | IP30 Rating

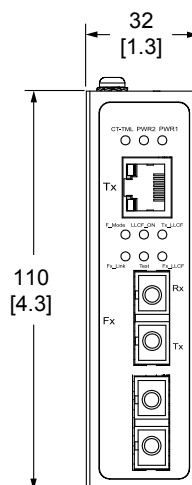


Industrial Smart Gigabit Ethernet to Fiber Media Converters, 2-Fiber Port

Part Number [MFG #]	10/100/1000 RJ45 Ports	Auto Navigation SFP Slots	Fiber Ports	Rated Distance	Features
E45CTR-1M-2FM-550M [EF24-1G-2FM-SC-550M]	1	N/A	2 (Multi-Mode)	550 M	Redundant Power Input
E45CTR-1M-2FS-10KM [EF24-1G-2FS-SC-10]	1	N/A	2 (Single-Mode)	10 KM	
E45CT-1M-2SFP [EF24-1G-2SFP]	1	2	2 (SFP Slot)	N/A	



E45CT-1M-2SFP



E45CTR-1M-2FM-550M
E45CTR-1M-2FS-10KM

Feature Highlights:

- Cut-Through Forwarding Mode
- Available in both SC and SFP Fiber Connectors
- Redundant Power Input
- Jumbo packets up to 9K bytes
- Link Fault Pass-Through (LFP) and Link Loss Carry Forward
- Operating Temperature : -10°C ~ 70°C
- Works in Media Converter Mode or Fiber Repeater Mode



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Specifications & Approvals



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Technology		
Standards	IEEE 802.3 for 10BASE T IEEE 802.3u for 100BASE-T(X) and 100BASE-FX IEEE 802.3ab for 1000BASE-T(X) IEEE 802.3z for 1000BASE-X	
Interface		
RJ45 Ports	10/100/1000Base-T(X) auto negotiation speed	
Fiber Ports	100/1000BASE-(F)X or SFP Slot	
LED Indicators	PWR1, PWR2, CT-TML, Fx1_Link, Fx2_Link,Fx1_OAM, FP/MC, Fx_LLCF, Tx_LLCF	
DIP Switch	Media Converter / Repeater mode, Fiber Speed mode, Link Transparency, TS-1000 Terminal / Center mode, Power Save, Fiber Auto Negotiation, Jumbo Frame, Cut-through	
Power Management		
Input Voltage	9-48 VDC	
Input Current	Max. 0.3A @ 9VDC	
Connector	Removable 5-pin 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	550M	10Km
Bit rate(Mbps)	1250Mbps	1250Mbps
Wavelength(nm)	850	1310
Application	1000Base-SX	1000Base-LX
TX Power(dBm)	-9.5~-4	-9.5~-3
RX Sens.(dBm)	<-18	<-20
Remark	E45CTR-1M-2FM-550M	E45CTR-1M-2FS-10KM

Regulatory Approvals				
Safety	CB			
EMC	FCC Part 15, Subpart B, Class A EN55032 EN 61000-3-2 EN 61000-3-3 EN 55024			
EMS Test	Item	Value	Level	
IEC 61000-4-2	ESD	Contact Discharge Air Discharge	±6KV ±8KV	3 3
IEC 61000-4-3	RS	80-1000MHz	10 V/m	3
IEC 61000-4-4	EFT	AC Power Port DC Power Port Signal Port	±2.0KV ±2.0KV ±1.0KV	3 3 3
IEC 61000-4-5	Surge	AC Power Port AC Power Port DC Power Port Signal Port	Line-to Line±1.0KV Line-to Earth±2.0KV Line-to Line±1.0KV Line-to Earth±1.0KV	3 3 3 3
IEC 61000-4-6	CS	Conducted (Enclosure)	3 Vrms	2
IEC 61000-4-8	PFMF	(Enclosure)	AC 50/60 Hz 10 A/m	3
IEC 61000-4-11	DIP	AC Power Port	-	-
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	Yes			
MTBF	372,537.84 hrs / 42.52 years (25°C)			
Warranty	5 Years			