



FEATURE HIGHLIGHTS

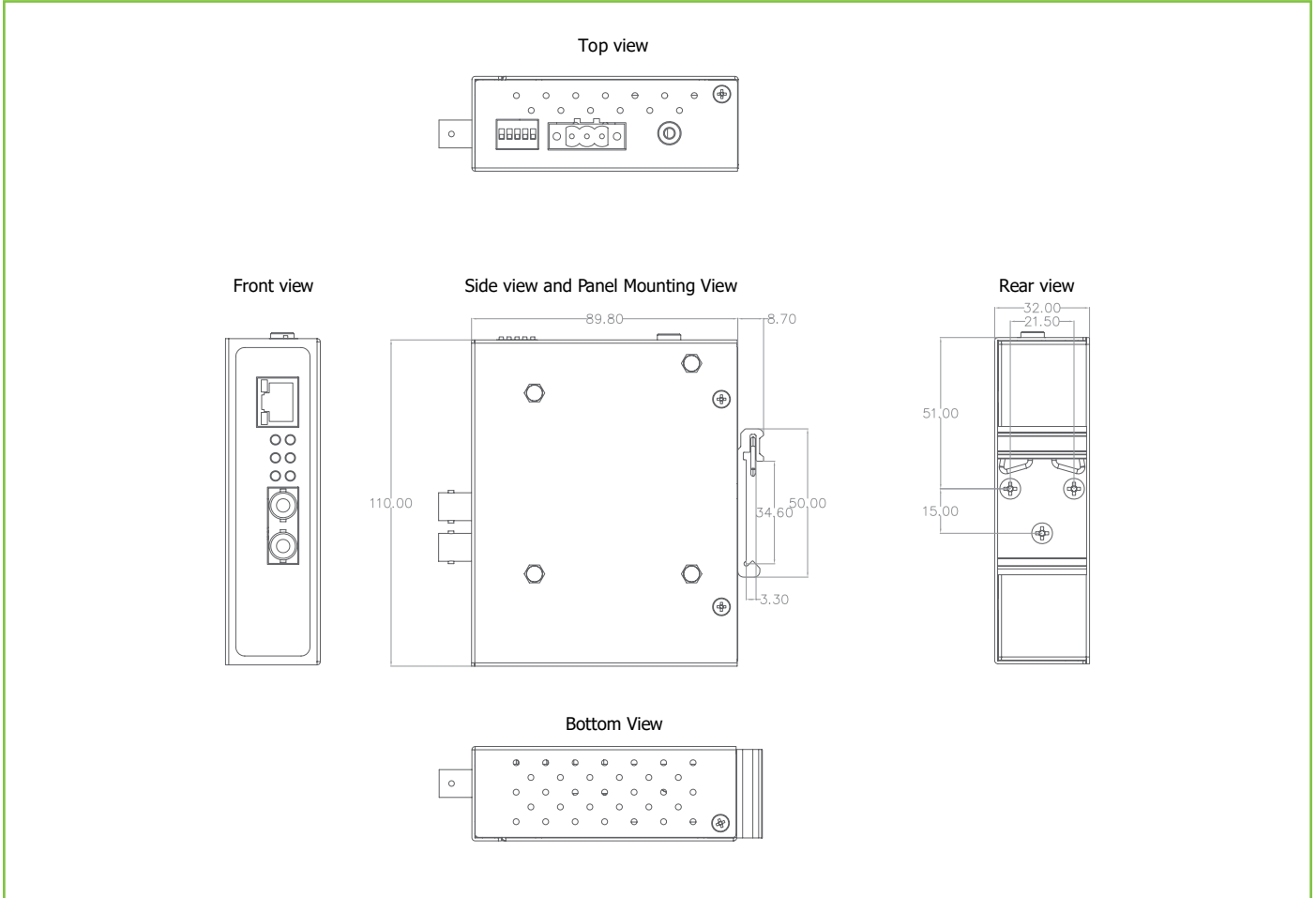
- Supports Auto MDI/MDI-X and Auto Negotiation
- Supports Multi-mode 2KM, Single-mode 30KM
- Supports Link Fault Pass-Through (LFP)
- Jumbo packets up to 9K bytes
- Operating temperature -10~70°C

PRODUCT DESCRIPTION

The EF23 Series Industrial Media Converters provide industrial media conversion between 10/100BaseT(X) and 100BaseFX(SC connector); connection options include multi-mode SC connector (2km), and single- mode SC connector (30km). The EF23 Series Media Converter is designed for harsh industrial environments, and complies with FCC/CE standards.

The EF23 Series Media Converter also provides auto MDI/MDI-X, Auto Negotiation, and Link Fault Pass-Through (LFP) function and one 5 pin DIP switch to configure the functions, such as the TX_Duplex mode, FX_Duplex mode, Speed mode, LFP, Auto Negotiation.

DIMENSIONS & LAYOUT



SPECIFICATIONS

Technical Specifications

Model Name	EF23
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 Requirements	
Input Voltage	6-48 VDC
Input Current	0.5A max, 6 VDC
Connection	Removable 3-pin Screw Terminal Block
Reverse Polarity Protection	Present
Physical Characteristics	
Housing	Metal, IP30 protection
Dimensions(W x H x D)	32 x 90 x 110 mm (1.26 x 3.54 x 4.33 in)
Weight	510g
Installation	DIN-Rail mounting, wall mounting(optional)
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)

REGULATORY APPROVALS

Regulatory Approvals		
EMI	FCC Part15, CISPR (EN55032) Class A	
EMS	EN61000-4-2 (ESD) Level 3, Criteria B / EN61000-4-3 (RS) Level 2, Criteria A EN61000-4-4 (EFT) Level 3, Criteria B / EN61000-4-5 (Surge) Level 3, Criteria B EN61000-4-6 (CS) Level 2, Criteria A	
Shock	IEC 60068-2-27	
Drop	IEC 60068-2-32	
Vibration	IEC 60068-2-64	
RoHS	Yes	
MTBF	823877 hrs (94.04Years) (Data base: MIL-HDBK-217F, GB 25°C)	
Warranty Period	5 Year	
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	EF23-1-1Fm-SC-2	EF23-1-1Fs-SC-30

ORDERING INFORMATION

Ordering information

Model name	Enclosure
EF23-1-1Fm-SC-2	100BaseT(X) to 100BaseFX Media Converter, Multi-mode, SC connector
EF23-1-1Fs-SC-30	100BaseT(X) to 100BaseFX Media Converter, Single mode, SC connector

Optional Accessories

Model name	Enclosure
UN315-1212 (US-Y)	Y-Type power adaptor, 100~240VAC input, 1.25A @ 12VDC output, US plug, LV6
UNE315-1212(EU-Y)	Y-Type power adaptor, 100~240VAC input, 1.25A @ 12VDC output, EU plug, LV6
AD1024-24F	24W/1A DIN-Rail 24 VDC power supply with universal 100~240 VAC/120~370 VDC input
AD1048-24FS	48W/2A DIN-Rail 24 VDC power supply with universal 100~240 VAC/120~370 VDC input
AD1072-24F	72W/3A DIN-Rail 24 VDC power supply with universal 100~240 VAC/120~370 VDC input
AD1100-24F	100W/4A DIN-Rail 24 VDC power supply with universal 100~240 VAC/120~370 VDC input
AD1120-24F	120W/5A DIN-Rail 24 VDC power supply with universal 100~240 VAC/120~370 VDC input
AD1120-48F	120W/2.5A DIN-Rail 48 VDC power supply with universal 100~240 VAC/120~370 VDC input
2ESDP-03P	3-pin 5.08mm Terminal Block with 180° Angle