

## EMI-100-SSXX

### 1\*100Base-FX, 1\*10/100Base-T Industrial Media Converter

#### Features

- Input Voltage: DC10~58V (Redundant)
- Operating Temperature: -30°C ~ +75°C
- Case: IP40 protection, fan-less design
- Anti-static level: 8KV-15KV
- MTBF: 100000 Hours

#### Description

The Ethernet converter uses store-forward architecture, fan-less and energy-saving design. The design complies with the Ethernet standard with lightning and anti-static protection. They apply to the wide range of operating temperature from -30°C to +75°C with stable and reliable performance. They can be widely applied to various broadband data transmission fields, such as intelligent transportation, Telecommunications, security, financial securities, customs, shipping, power, water conservancy and oil fields.

#### Specification

Port	Fiber	1*100 Base-X
	RJ45	1*10/100 Base-T
	LED Indicator	P1/P2/OPT
	Power	Phoenix terminal blocks, redundant
Dialing Instructions	1 LFP	LFP/RPR switch
	2 LGY	LEGACY switch(POE/non-POE)
	3 VLAN	Port isolate
	4 BSR	Broadcasting storms relieving
Distance	Twisted-pair	0-100meter
	Single mode Optical Fiber	0~100km
	Multi-mode Optical Fiber	2km
Fiber	Wavelength	Dual fiber 1310nm, 1550nm Single fiber 1310/1550nm, 1490/1550nm
	Connector	SC(default)/FC/ST/LC
Networking	Star/Bus/Tree Topology	Support



	Ring Topology	Not support
	Scale	Non-limitation
Power	Input Voltage	DC10-58V
	Total Power Consumption	Non-POE<5W;POE<35W
POE (Optional)	Port	1
	Protocol	IEEE802.3af/at
	Power	15.4W/25.5W
	PoE Lines	End-span(12+,36-); Mid-span(45+,78-) optional
	POE Mode	POE/non-POE
	Remote PD reset	Support
	POE nonstandard test switch	Support
Layer 2	Switching Capacity	1G
	Packet Forwarding Rate	0.297Mpps
	MAC Address Table	2K
	Buffer	768K
	Forwarding Delay	<5us
	RJ45 Port	Twisted-pair, adaptive
	Support	MDX/MIDX, Jumbo frame,BSR,LFP,Port Isolation
	Flow Control	Not support
Mechanical Structure	Installation Method	Din-rail
	LED Indicator	PWR,Link/ACT
	Case	Fan-less, natural cooling
	Dimension	118*91*31mm
	Weight	0.36kg
Working Environment	Operating Temperature	-30℃~+75℃
	Storage Temperature	-30℃~+85℃
	Relative Humidity	5%~95% (non-condensing)
	MTBF	100,000 Hours
Protection Level	IP Level	IP40
	Power -Surge Protection	IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)

Ethernet Surge Protection	IEC 61000-4-5 Level 3 (4KV/2KV) (10/700us)
EMI	CLASS A
ESD	IEC 61000--4-2 Level 4 (8K/15K)
Free-drop	0.5meter
Anti-static	8KV-15KV

## Structure and Dimension

