

## EMI-1100-1S1RCS

### 10/100/1000Base-T to 100/1000Base-X Compact size Industrial Media Converter



#### Product Features

- 1\*10/100/1000Base-T RJ45 port, 1\*100/1000Base-X SFP(/SC/ST/FC optional) fiber port
- RJ45 port 10/100M/1000 adaptive, full/half duplex mode, and MDI/MDI-X automatic detection
- SFP PORT supports four fiber optic transmission modes: multimode/single mode, dual fiber/single fiber
- SFP PORT supports 9K Byte jumbo frame
- DC 12~58V input, redundant power supply with polarity reverse/over-voltage protection
- Support 4KV surge protection and ESD: Air-15kV, Contact-8kV Protection
- IP40 fan-less and Din-rail hardware design with compact size(30\*85\*85mm)
- Operation temperature: -40 °C ~+75°C

#### Overview

The series are unmanaged industrial grade media converter with 1-port 10/100/1000-T RJ45 and 1-port 100/1000Base-X fiber optical interfaces.

The series are also high cost-effective easy-to-use devices, which provide essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less compact size housing with Din-rail installation, wide operation temperature from -40°C to 75°C as well as high-level EMI/EMC capability and so on. They are the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.

## Technical Specification

<b>Model No.</b>	EMI-1100-1S1RCS	
<b>Interface</b>	Fiber port	Copper RJ45 port
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<b>Ethernet</b>	1*10/100/1000Base-T RJ45 1*100/1000Base-X SFP (SC/ST/FC optional)	
<b>Standard</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy Efficient Ethernet	
<b>LED Indicators</b>	PW(Power indicator) Green	Off: the device is power off or failed
		On: the device power on is normal
	FX(Fiber port)Green	Off: fiber link down
		ON:fiber link up
	1X( RJ45 port)	YELLOW Off: ports link down
		YELLOW On: ports link up
GREEN OFF: ports link ;ON port link act		
<b>Power parameters</b>		
Input voltage	12-58VDC, redundant power input	
Input current	0.2A Max	

Total consumption power	Full loading ≤2W
Reverse polarity protection	Support
Over-voltage protection	Support
Switching capacity	2G
Packet forwarding rate	2.97pps
MAC address table	8K
Buffer	1M

Forwarding delay	<5us
Jumbo Frame	Support 9Kbytes
MDX/MIDX	Support
<b>Network Topology</b>	
Star topology	Support
Bus topology	Support
Tree Topology	Support
<b>Mechanical structure</b>	
Case protection	IP40
Installation method	Din-rail
Dimension(W*D*H)mm	30*85*85mm
Weight	0.2 kg
<b>Operating environment</b>	
Operating temperature	-40°C~+75°C
Storage/transportation temperature	-40°C~+85°C
Relative humidity	5%~95% (non-condensing)
<b>Industrial Standard</b>	Surge protection of power: IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)
	Surge protection of Ethernet ports: IEC 61000-4-5 Level 3 (4KV/2KV) (10/700us)
	DIP: IEC 61000-4-11 Level 3 (10V)
	ESD: IEC 61000-4-2 Level 4 (8K/15K)
	Shock: IEC 60068-2-27
	Free fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6
<b>Warranty</b>	5 years

