IS-DF103 Series

Rugged Industrial Media Converter, 10/100M TX to 100FX

ISON IS-DF103 Series support 1 100FX, 2 100TX ports, it's design for mission critical application Industrial media converter. IS-DF103 Series can be powered by wide range of AC , DC or external DC power adapter . With its multi-purpose, easy to use design, it can also be used for Din-Rail or wall-mounted. It is an ideal unit for IP surveillance, traffic monitoring and Security application in critical environments. It's operating temperature is -40°C to 75°C which is good for installing in harsh environment and extend the networks.

CE FC

Key Features

> Rugged fan less design
> Wide range power input, 12~58 VDC Input
> Link Fault Pass through (LFP) function
> Supports switch model and converter mode.
> Surge Broadcast storm protection
> Support Far End Fault function on FX port.
> Provides increased Noise Immunity
> -40°C to 75°C operating temperature

Specifications

Ethernet

Operating Mode	Store and Forward, L2 wire-speed/non-blocking switching engine
MAC addresses	1K
Packet Buffer	1 Mbits

Copper RJ45 Ports

Speed	10/100 Mbps
	Support straight or cross wired cables
MDI/MDIX Auto-crossover	10/100 Mbps speed auto-negotiation;Full & Half Duplex

Fiber port

Port Types supported	Fixed SFP, LC connector
Filter port connector	LC/RJ45 connector for fiber ports
Optimal fiber cable	Typical 50 or 62.5/125 µm for multimode (mm)
	Typical 8 or 9/125 µm for single mode (sm)

Power

Power Input	Redundant Power Input, Terminal Block
Input Voltage Range	12~58 VDC
Reserve power protection	YES
Power Consumption	5 Watt (24VDC)

Indicators

Power status indication	Power Input status
Ethernet port indication	Line & speed

Environmental and Compliances

Operating Temperature	-40~75ºC (Cold startup at -40ºC)
Storage Temperature	-40~85ºC
Humidity	5~95% (Non-Condensing)
Vibration, shock, free fall	IEC-60068-6, -27, -32
Certification Compliance	CE, FCC
Electrical safety	CE
EMC	FCC Part 15, CISPR 22 (EN55022) Class A
	IEC-61000-4-2, -3, -4, -5, -6 (Level 3)
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	>25 years

Mechanical

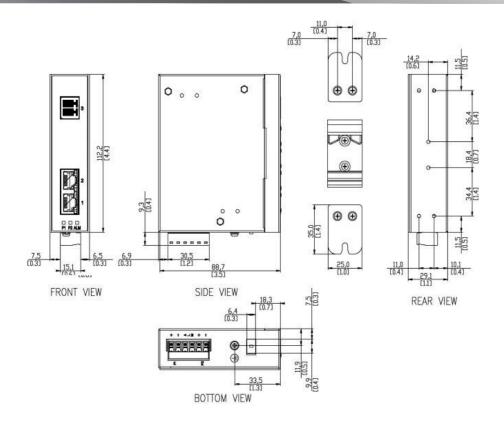|	
Protection	IP30
Dimension	109.2mm (H) x 29.1mm (W) x 89.4mm (D) (without DIN rail clip)
Weight	225g
Installation	DIN-Rail mounting; Wall mounting
DIP	LFP (Link Fault Pass Through)
	Enable/Disable Broadcast storm protection

Dimension Diagram

FRONT VIEW

SIDE VIEW

REAR VIEW

BOTTOM VIEW

Ordering information

Available Models	Description	100 Mb Ethernet Port	
		10/100 Mb TX	100 Mb FX
IS-DF103-M	Industrial Media Converter, 10/100M TX to 100M MM LC 2 km	2	1
IS-DF103-S	Industrial Media Converter, 10/100M TX to 100M SM LC 40 km	2	1

Accessories