

IS-DG102 Series

Rugged Industrial Media Converter, 10/100/1000M TX to 100/1000FX



ISON IS-DG102 Series is true mini, rugged Industrial media converter. It designed for where critical but space-limited applications. IS-DG102 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 -20°C to 75°C which is good for installing in harsh environment and extend the networks.



Key Features

- > 1 10/100/1000 Mb RJ45, 1 100/100FX(Multi/Single-mode)
- > Rugged design, compact enclosure
- > Wide range power input, 18V-36VAC/9V-56VDC
- > Link Fault Pass through (LFP) function
- > Supports switch model and converter mode.
- > Surge protection diodes on power input.
- > Support Far End Fault function on FX port.
- > Provides increased Noise Immunity
- > -20°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
Jumbo Frame	9K

Copper RJ45 Ports

Speed	10/100/1000 Mbps Support straight or cross wired cables
MDI/MDIX Auto-crossover	10/100/1000 Mbps speed auto-negotiation; Full & Half Duplex

SFP (pluggable) Ports

Port Types supported	100/1000 Base SFP Slot
Filter port connector	LC/RJ45 connector for fiber ports
Optimal fiber cable	Typical 50 or 62.5/125 μ m for multimode (mm) Typical 8 or 9/125 μ m for single mode (sm)

Power

Power Input	Redundant Power Input, Terminal Block
Input Voltage Range	9~56V DC, 18~36V AC
Reserve power protection	YES
Power Consumption	3 Watt

Indicators

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

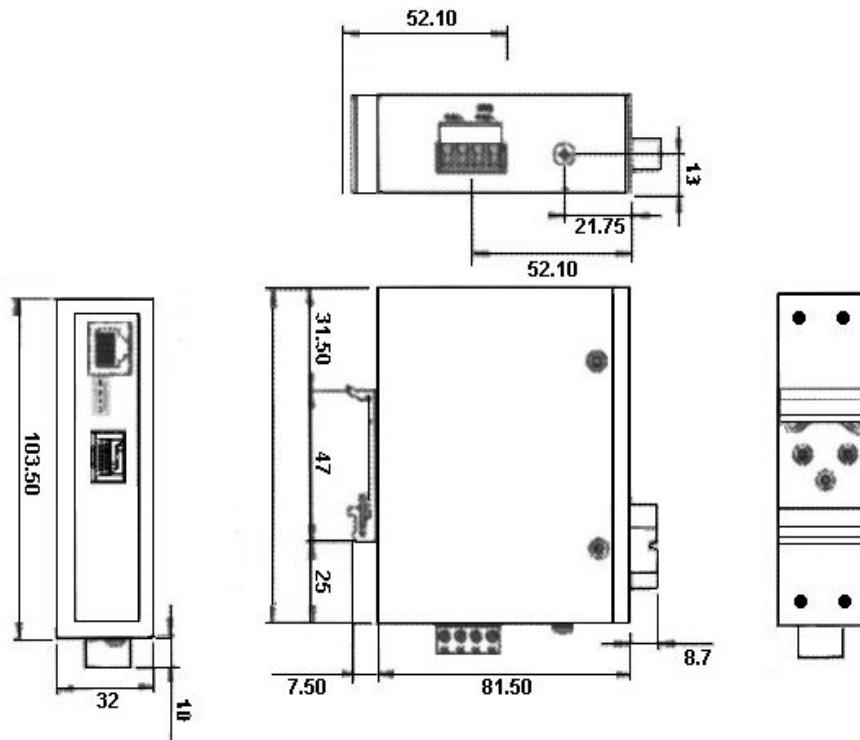
Environmental and Compliances

Operating Temperature	-40~75°C (Cold startup at -40°C)
Storage Temperature	-40~85°C
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	103.5mm x 32mm x 81.5mm(LxWxD)
Weight	200g
Installation	DIN-Rail mounting; Wall mounting
DIP	LFP (Link Fault Pass Through) Enable/disable Link Fault Pass Through

Dimension Diagram



Ordering information

Available Models	Description	100/1000 Mb Ethernet Port	
		10/100/1000 Mb TX	100/1000 Mb FX
IS-DG102-F	Industrial Media Converter, 10/100/1000M TX to 100/1000M	1	1

Accessories

- SFP Modules