

IS-DF102 Series Quick Installation Guide

FCC Marking

This Equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received; including interference that may cause undesired operation.

CE MARKING

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE, the essential protection requirement of Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Company has an on-going policy of upgrading its products and it may be possible that information in this document is not up-to-date. Please check with your local distributors for the latest information. No part of this document can be copied or reproduced in any form without written consent from the company.

Trademarks:

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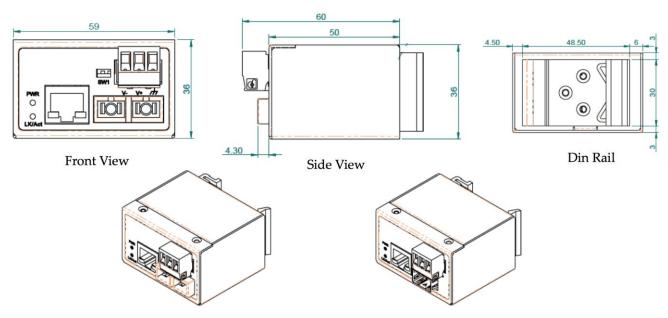
Key Features

- > True Mini, rugged design enclosure 59x36x49mm (LxWxD)
- Supports 18V-36VAC/12V-60VDC
- > Supports Link Fault Pass through (LFP) function
- Supports switch model and converter mode.
- > Surge protection diodes on power input.
- > ESD protection diodes on RJ-45 port
- Provides Far End Fault function on FX port.
- Provides increased Noise Immunity

Introduction

This true mini, rugged Industrial media converter is designed for where critical but space-limited outdoor CAM enclosure. It can be powered by wide range of VAC , VDC or external DC power adapter . With its multi-purpose 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 environment. It can tolerate -40°C to 75°C in harsh environment to

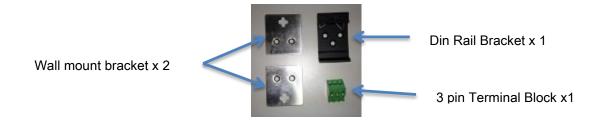
Housing Dimension





Installation package

This unit can be installed by din-rail mounted or wall-mounted. Din-rail brackets and wall-mounted bracket are included.



Power connection

This unit provides 3 pin terminal block. And it can be operated using either VAC or VDC power source. The VDC power range is from 12VDC to 60VDC, and the VAC power range is from 18VAC

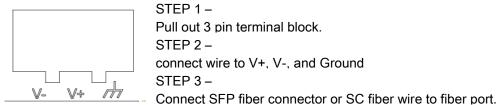


to 36VAC. Always Make sure your input voltage is within this supported voltage range.

WARNING – any exceeded input voltage will not make this unit function and may damage this unit.

To make power connection – Follow the printed polarity for V+, V-, Ground. Connect positive wire to V+, connect negative wire to V-, also connect neutral wire to ground.

Connecting procedure



STEP 4 – plug back 3 pin terminal block to its place.

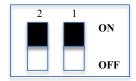
WARNING -- Always pull out terminal block to connect power wire. DONOT force SFP fiber into



Dip switch function

This unit is equipped with dip switches, located on the front panel marked as SW1. Adjusting the dip switches will change the default function of this unit. This unit has set to manufacturer default as: switch mode and LFP function off.

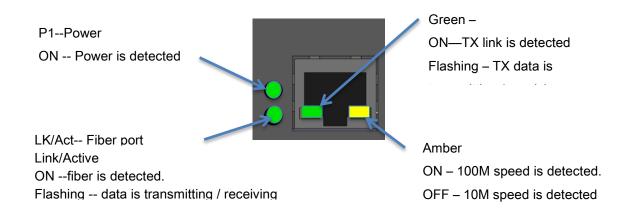
The table shown as you may change the dip switch setting to your desired environment.



DIP 1	ON	Converter mode
	OFF	Switch mode (default)
DIP 2	ON	LFP function enabled
	OFF	LFP function disabled (default)

SW1

LED indicator





IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3x Flow Control and Back Pressure Data Processing Store and Forward Flow Control: IEEE 802.3x Flow Control and Back Pressure Full wire speed conversion, Transparent conversion to 802.1Q VLAN tagged packets. MAC address Table Size 1K Packet Buffer Size 1Mbits RJ-45 10/100M BaseT(X) Auto negotiation, Auto MDI/MDI-X function, Full/Half duplex Fiber ports: 100BaseFX SC, ST, SC SM 30km, SFP 100BaseX P1, Speed, LK/Act Speed (TP port) LK/Act(TP and Fiber port) Link Fault Pass Through (LFP) Converter Mode, Switch Mode Power protection Surge protection diodes on power input
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DIP Switch Link Fault Pass Through (LFP) Converter Mode, Switch Mode
DIP Switch Converter Mode, Switch Mode
Converter Mode, Switch Mode
Power protection Surge protection diodes on power input
Connector protection ESD protection diodes on TX port
Reserve polarity protection Present
Overload current protection Present
Power Input
12V-60VDC,
Conformance to UL Standards Use Isolated power supply to conform with UL 508 standard
Power Consumption 1.44Watts
Removable Terminal Block 3 pin contact terminal block for power input
Operating Temperature -40°C~75°C
Operating Humidity 5% to 95% (Non-condensing)
Storage Temperature -40°C~85°C
Housing Design IP40 Design, high graded Aluminum
Case Dimension (W X D X H) 59x36x49mm (LxWxD)
Installation DIN Rail mounted,
I I STATE OF THE S
Panel Mounted,



I EMI	FCC Part 15 Subpart B Class A,
EWI	CE EN 55022 Class A
Safety	EN60950-1
Environmental	RoHS, REACH