



User Manual: PC-PMC101-GME Industrial Media Converter

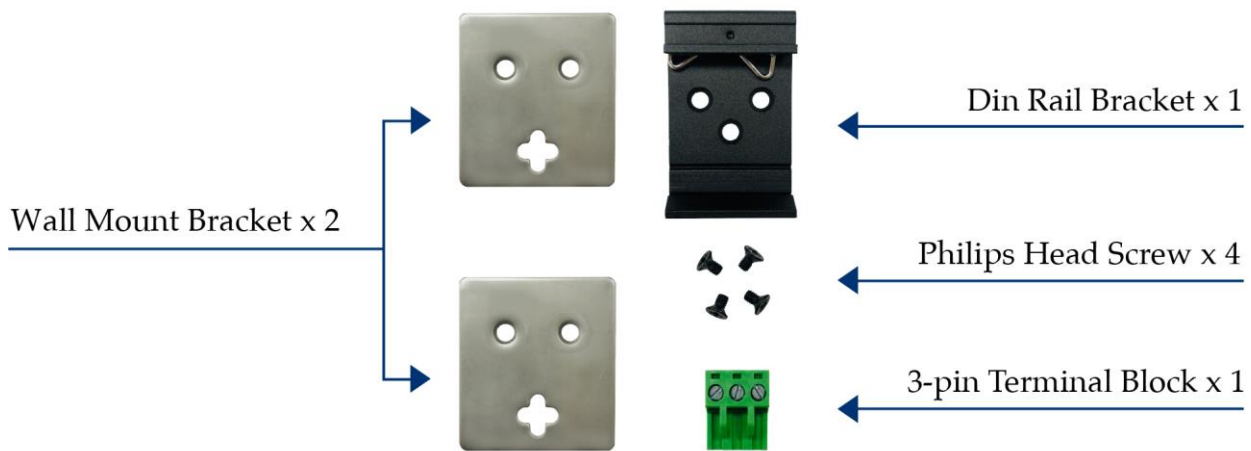
Version 4.2020

Introduction

This true mini, Hardened Industrial Media Converter is designed for critical but space-limited outdoor CAM enclosure. It can be powered by wide range VDC. With its multi-purpose design, it can also be Din-Rail or wall mounted. It is an ideal unit for IP surveillance, traffic monitoring and Security applications in critical environments. It can tolerate -40°C to 75°C in harsh environments to connect a reliable network.

Installation package

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

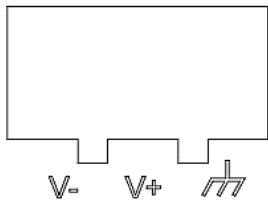


Power connection

This unit provides a 3 pin terminal block. It can be operated using either VDC power sources. The VDC power range is from 48VDC to 56VDC. Always make sure your input voltage is within this supported voltage range.

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

Power connecting procedure:



- STEP 1 – Pull out 3 pin terminal block.
- STEP 2 – Connect wire to V+, V- and Ground.
- STEP 3 – Connect SFP fiber wire to fiber port.
- STEP 4 – Plug back 3 pin terminal block to its place.

WARNING -- Always SHUT OFF power source to connect power wire.

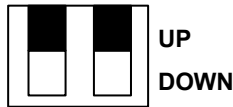
WARNING -- DO NOT force SFP fiber into SFP housing without removing terminal block

WARNING -- Any exceeded input voltage will not make this unit function and may damage this unit.

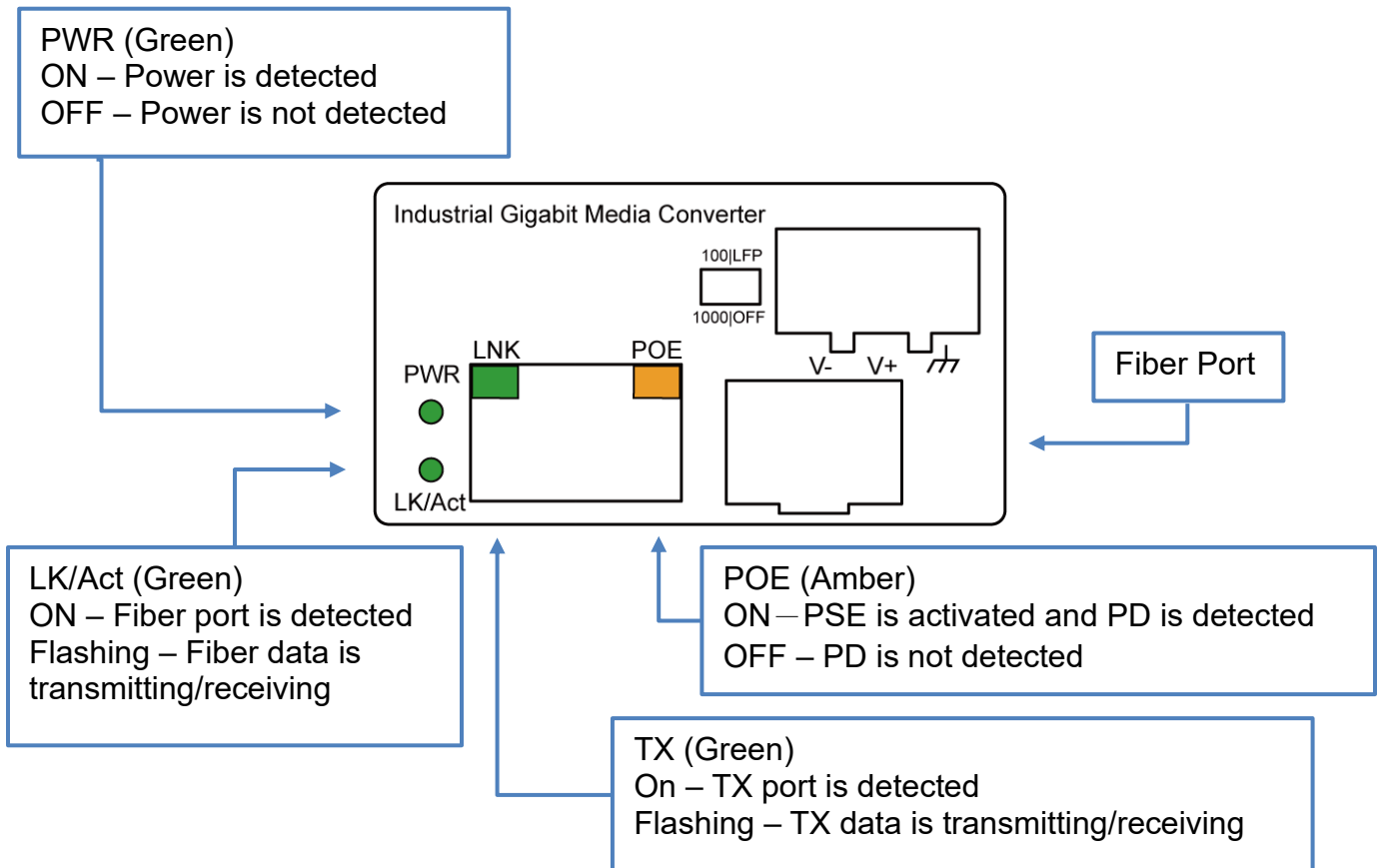
Dip Switch Function

This unit is equipped with dip switches, located on the front panel. Adjusting the dip switches will change the default function of this unit. This unit has set to manufacturer default as: SFP speed 1000M and LFP function OFF.

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

	DIP 1	UP	100M
		DOWN	1000M (default)
	DIP 2	UP	LFP enabled
		DOWN	LFP disabled (default)

LED indicator

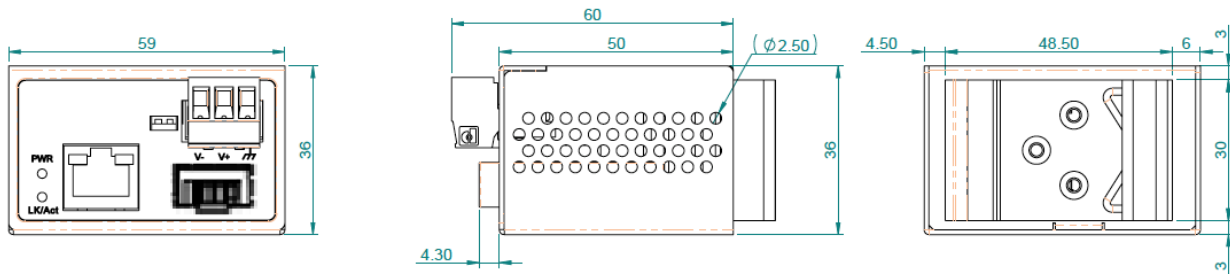


Reserve polarity protection	Present
Overload current protection	Present
Power Input	48V-56VDC
Power Consumption	1.92W full load without POE at 48VDC 30W Max with POE at 56VDC
PoE power	PoE power per port 30watts Supports IEEE802.3af/at
Removable Terminal Block	3 pin contact terminal block for power input Wire range: 0.34mm ² to 2.5mm ² Solid wire (AWG):12-24/14-22 Stranded wire (AWG): 12-24/14-22 Torque:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
Operating Temperature	-40°C to +75°C
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C to 85°C
MTBF (mean time between failure)	561,556 hrs (Telcordia (Bellcore), GB) at 50°C
Housing	Rugged Metal, IP30 Protection
Case Dimension	59x36x49mm (LxWxD)
Installation	DIN Rail or Wall Mount options included

Certifications

Safety	LVD(EN60950-1)
EMC	CE, FCC, EN 55032/24
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV IEC 61000-4-5 Surge: Power: 2KV; Signal: 2KV
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Free Fall	EN 60068-2-32

Housing Dimension (mm)



NOTE:

Housing dimension is for the purpose of showing product Length, Width, Height, din-rail, and terminal block's position and dimension. Please reference the LED Indicator Page for correct port order.