



## POE-6410GIN-90bt

### Key Features

- Hardened design enclosure
- Supports 52V-56VDC
- Adjustable SFP speed 1G/10G
- Surge protection diodes on power input
- ESD protection diodes on RJ-45 port
- Provides increased Noise Immunity



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### Introduction

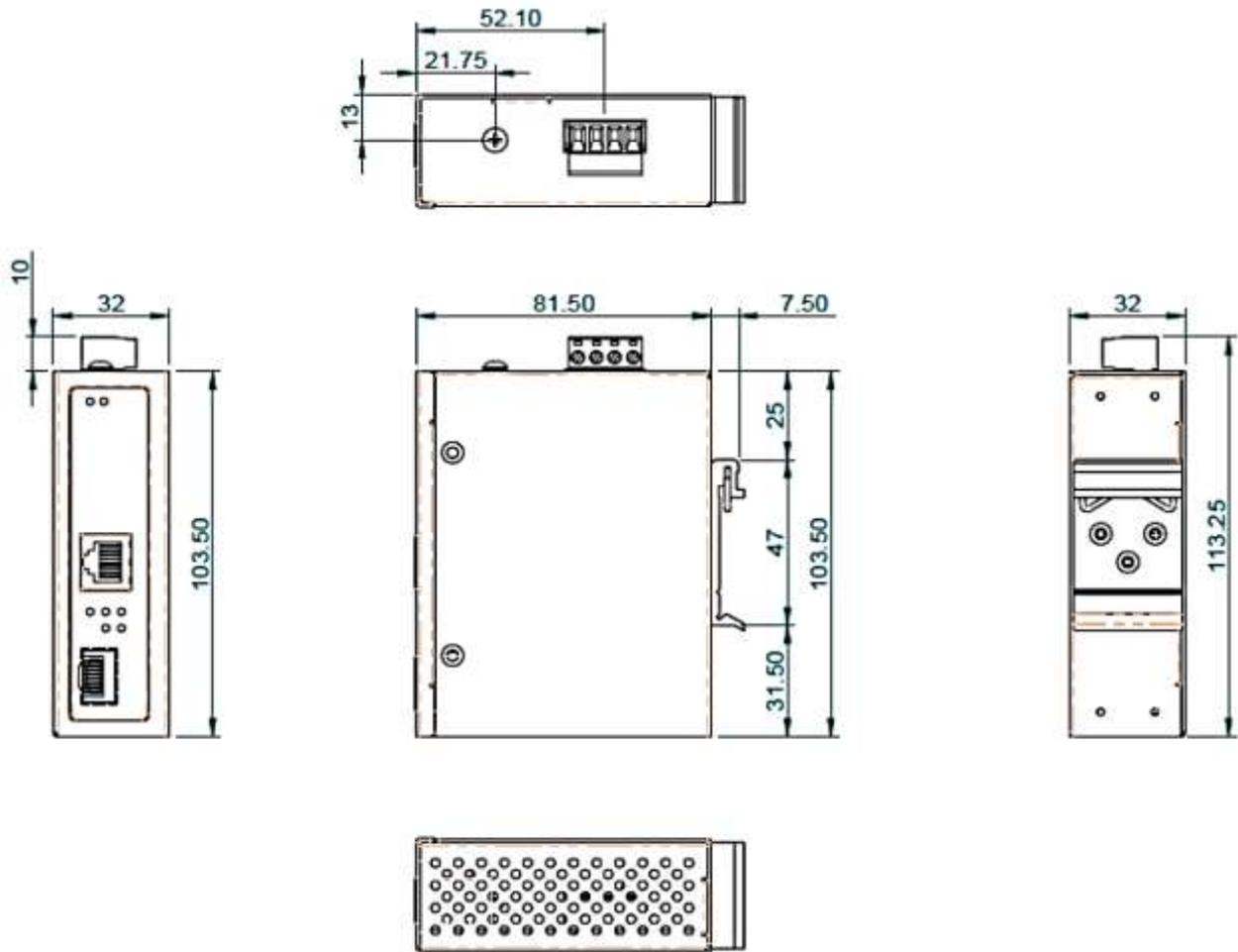
Unicom's Indomation Series Hardened Industrial 10G 802.3bt 90W Media converter is designed with hardened Marvell IC to provide a reliable connection to your remote device in harsh environments. It accepts input voltages from 52VDC to 56VDC. This unit is designed for high-power broadband WIFI, 802.3bt devices, and a broad range of applications where 1G network speeds are insufficient. It is designed for Security, Transportation and Telco application to extend your network distances. With its multi-purpose design, it can be 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 environments to maintain a reliable network.

## Specification

|                                    |   |
|------------------------------------|---|
| <b>IEEE Standard</b>               | IEEE 802.3ab 1000Base-T Gigabit Ethernet<br>IEEE 802.3an 10GBase-T Ethernet<br>IEEE 802.3af for PoE<br>IEEE 802.3at for PoE+/PoE++<br>IEEE 802.3bt<br>Compliant with 60W uPoE standard<br>Compliant with 95W Power over HDBaseT (PoH) standard                  |
| <b>Media Supported</b>             | 1000Base-T: Cat5 UTP/STP, max. 100 m (330 ft.)<br>10GBase-T: Cat6a UTP/STP, max. 50 m (164 ft.)   |
| <b>Work Mode</b>                   | 1000Base-T to 1000Base-X<br>10GBase-T to 10GBase-LR/SR/BX   |
| <b>Network Connector</b>           | 1 xRJ-45 1G/10GBase-T auto negotiation,<br>Auto MDI/MDI-X function, Full/Half duplex<br>1 x 1G/10GBase-X SFP  |
| <b>Protocol</b>                    | CSMA/CD   |
| <b>LED</b>                         | PW1 (Green): ON – Power 1 is detected<br>PW2 (Green): ON – Power 2 is detected  |
|                                    | RJ-45 port:<br>POE: ON – PSE is in active mode.<br>OFF – PSE is in idle mode.<br>LNK/ACT (Green):<br>ON – TX port is detected<br>Flashing – TX data is transmitting/receiving<br>10G (Green): ON – TX port speed is 10G<br>1G (Green): ON – TX port speed is 1G |
|                                    | SFP port:<br>SFP (Green): ON – SFP port is detected<br>Flashing – data is transmitting/receiving  |
| <b>PoE power</b>                   | Maximum 70Watts with 56VDC input at environment 75°C<br>Maximum 90Watts with 56VDC input at environment 60°C  |
| <b>PoE Pin Assignment</b>          | Pin 1 (V-), 2 (V-), 3 (V+), 6 (V+)<br>Pin 4 (V+), 5 (V+), 7 (V-), 8 (V-)  |
| <b>Reverse Polarity Protection</b> | Present   |
| <b>Overload Current Protection</b> | Present   |
| <b>Power Supply</b>                | 4 pin terminal block with 52-56VDC Power Input  |
| <b>Power Consumption</b>           | 3 W@52 VDC full load  |

|   |   |
|---|---|
| <b>Removable Terminal Block</b>         | Provide 4 pin terminal block<br>Wire range: 0.34mm <sup>2</sup> to 2.5mm <sup>2</sup><br>Solid wire (AWG):12-24/14-22<br>Stranded wire (AWG): 12-24/14-22<br>Torque:5lb-In/0.5Nm/0.56Nm<br>Wire Strip length: 7-8mm |
| <b>Operating Temperature</b>            | -40°C to 75°C   |
| <b>Operating Humidity</b>               | 5% to 95% (Non-condensing)  |
| <b>Storage Temperature</b>              | -40°C to 85°C   |
| <b>MTBF (mean time between failure)</b> | >500,000 hrs (Telcordia (Bellcore), GB) at 50°C   |
| <b>Housing</b>                          | Rugged Metal, IP30 Protection   |
| <b>Case Dimension (LxWxD)mm</b>         | 103.5 x 32 x 81.5 mm (LxWxD)  |
| <b>Installation</b>                     | DIN-Rail and wall mount brackets included   |
| <b>Certifications</b>                   |   |
| <b>Safety</b>                           | LVD (EN62368-1)   |
| <b>EMC</b>                              | CE, FCC, EN 55032/35  |
| <b>EMI</b>                              | CISPR 32, FCC Part 15B Class A  |
| <b>EMS</b>                              | IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV<br>IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV<br>IEC 61000-4-5 Surge: Power: 2KV; Signal: 2KV   |
| <b>Vibration</b>                        | EN 60068-2-6  |
| <b>Shock</b>                            | EN 60068-2-27   |
| <b>Free Fall</b>                        | EN 60068-2-32   |

## Housing Dimension (mm)



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