

IR302

INDUSTRIAL 4G LTE ROUTER

FOR POWER METER CONNECTIVITY

The IR302 is a cost-effective, compact, industrial 4G LTE router for flexible IoT connectivity. It's equipped with two Ethernet ports, dual SIM holders, and a Wi-Fi interface. It provides easy, flexible, and secure connectivity to our meters in nearly any situation.

The IR302 is small and lightweight; it comes with a variety of mounting options (DIN rail and Panel) and can even be powered directly from the PS12HD, PS24HD, or the PS48HD's 12V output. It's compatible with all major cellular SIMs (AT&T, Verizon, T-Mobile, Bell, Free Mobile, O2, and many more) so finding the right cell carrier is easy.



APPLICATIONS:

• Wi-Fi Adapter

Installations where a physical network connection to the meter is difficult or impossible, the IR302 can add Wi-Fi capabilities to any DENT meter.

• Remote Site Location

Connecting to a network or RTU can be impossible for remote loads such as EV charging stations or remote solar installations. The IR302, with cellular connectivity and a DENTCloud-enabled meter, makes data instantly accessible on the network.

• High-Security Areas (Closed Networks)

For high-security networks, using the IR302 can create a layer of isolation between Dent meters and devices on the local network. This setup ensures that our meters can access the internet and cloud services while remaining inaccessible to local network devices.

• Essential Connection (Fail-Over)

When reliability is a must, the IR302 can be set up to fail-over to cellular networks when the local network is unreliable. This ensures there are no gaps in data.

• VPN Access

The IR302 supports various VPN protocols (including OpenVPN), allowing remote meter administration using ViewPoint software from any location. This secures flexible access for managing meters remotely.

SPECIFICATIONS:

- **Power**
 - 100-120mA@12V (Working)
 - 190mA@12V (Peak)
- **Ethernet**
 - (2) 10/100Mbps fast Ethernet ports
 - LAN/WAN port 1.5KV isolation
- **Cellular**
 - Dual drawer-type SIM slots. 2FF SIM
- **Wi-Fi**
 - IEEE 802.11 b/g/n, 150Mbps
- **Antennas (included)**
 - (2) 3G/4G:SMA
 - (1) Wi-Fi: RP-SMA
- **Dimensions**
 - 90x90x25mm
- **Weight**
 - 240g
- **Housing**
 - Metal (IP30)
- **Operating Temp**
 - 20C to 70C
- **Certificates**
 - CE, FCC, PTCRB