

# 5G PoE Modem IDG450-WG001



## KEY FEATURES

- ✓ 1\* 5G/4G (2\*SIM)
- ✓ 1 x RJ-45 2.5GbE
- ✓ DC 48-57V in
- ✓ PoE-PSE 802.3at

## INTRODUCTION

The IDG450 is a 5G PoE Modem which includes 5G-NR and 4G-LTE dual-mode cellular capability for Wireless uplink / downlink and a 2.5 Gigabit Ethernet port with PoE-PSE function to extend data easily in various environments.

## APPLICATION

- IP surveillance
- Access Point
- RJ45 port for PD device connection

Product Summary as follows:

1. For Installers: deploy PDs with less wiring efforts
2. For managers: monitor end devices by the detecting function (detect PDs periodically) on IDG450
3. Schedule to reboot PD devices to avoid termination of recording, 802.3at, up to 30W

**High-Speed Network**

- 5G-NR
- Giga speed for upload and download

**Popular Interface**

- 2.5GbE RJ-45 Port
- DC Power in via Terminal Block

**Easy Installation**

- PoE-PSE 802.3at
- Mounted Kit

**Cellular Instant**

- Ethernet Plug & Play
- Easy Web GUI



## SPECIFICATION

### Device Interface

- **Cellular Module:** 1\*5G/4G, 3GPP Rel. 16
- **SIM:** 2\*Nano-SIM (4FF)
- **Ethernet:** 1\*RJ45 GbE with 802.3at PSE
- **Power Input:** 2-pin TB for DC 48V-57V Power
- **Power consumption:** max. 4W (wo PoE-PSE)
- **Antenna Con.:** 4\*SMA (F)-5G/4G

### WAN & Uplink

- **WAN:** Cellular & Config, NAT / Bridge Mode
- **Cellular:** 5G/4G, IPv4/6
- **Network Monitor:** ICMP Checking

### Protocol

- **LAN & VLAN:** DHCP Server
- **IPv6:** Cellular IPv6
- **Port Forward:** Virtual Server
- **Routing:** Static Routing , Routing information
- **PoE:** Power Control, ON/OFF by Network checking, Scheduled ON/OFF

### Security

- **VPN Tunnel:** OpenVPN, WireGuard
- **VPN Usage:** Site/Client
- **Access Control:** Packet Filter, URL Blocking, MAC Filter, IPS

### Status

- **Cellular Mobile:** Signal Quality, IMEI/MEID, Usage Band

### Administration

- **Configuration:** Web UI, SSH CLI, Command Script
- **System:** Upgrade, Reboot & Reset
- **Scheduling:** System Reboot, Function On/Off

### Environment

- **OP/Storage Temp.:** -30°C ~ 60°C; -40°C ~ 85°C
- **Humidity:** 10%~95% (non-condensing)
- **Enclosure:** Metal, Bracket
- **Dimension:** 93x90x27mm

### Package Accessory

- 1\*Device
- 4\*Cellular Antenna (3dBi)
- 1\*RJ-45 Cable

### Optional Accessory

- Wall-Mount kits
- DIN-Rail kits

## ORDERING INFORMATION

Country	Band
Global	<b>5G Sub-6G(SA or NSA):</b> n1/n2/n3/n5/n7/n8/n12/n13/n14/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n71/n75/n76/n77/n78/n79 <b>4 x 4 MIMO:</b> n1/n2/n3/n7/n25/n30/n66/n38/n40/n41/n48/n77/n78/n79 <b>UL 2 x 2 MIMO (SA only):</b> n38/n40/n41/n48/n77/n78/n79  <b>FDD-LTE Bands:</b> B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71 <b>TDD-LTE Bands:</b> B34/B38/B39/B40/B41/B42/B43/B48 <b>DL 4 x 4 MIMO:</b> B1/B2/B3/B4/B7/B25/B30/B38/B40/B41/B42/B43/B48/B66
Regulatory	CE/ FCC/ JATE/ TELEC/ NCC
Carrier	

- Specifications are subject to change without prior notice.
- \*: Under development/in progress.

## MECHANIC DRAWING

•Front View



•Back View



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