# AMIT
*Enabling Wireless M2M - IoT*

## 4G PoE Modem
# IDG400-WT001

## KEY FEATURES
- ✓ 1 * 4G (1*SIM)
- ✓ 1 * RJ-45 FE
- ✓ DC 48-57V in
- ✓ PoE-PSE 802.3at

## INTRODUCTION
The IDG400 is a 4G PoE Modem which includes 4G-LTE cellular capability for wireless uplink / downlink and Ethernet port with PoE-PSE function to extend data easily in various environments.

## APPICATION
- • IP surveillance
- • Access point
- • RJ45 port for PD device
- • 4K/8K video transmission
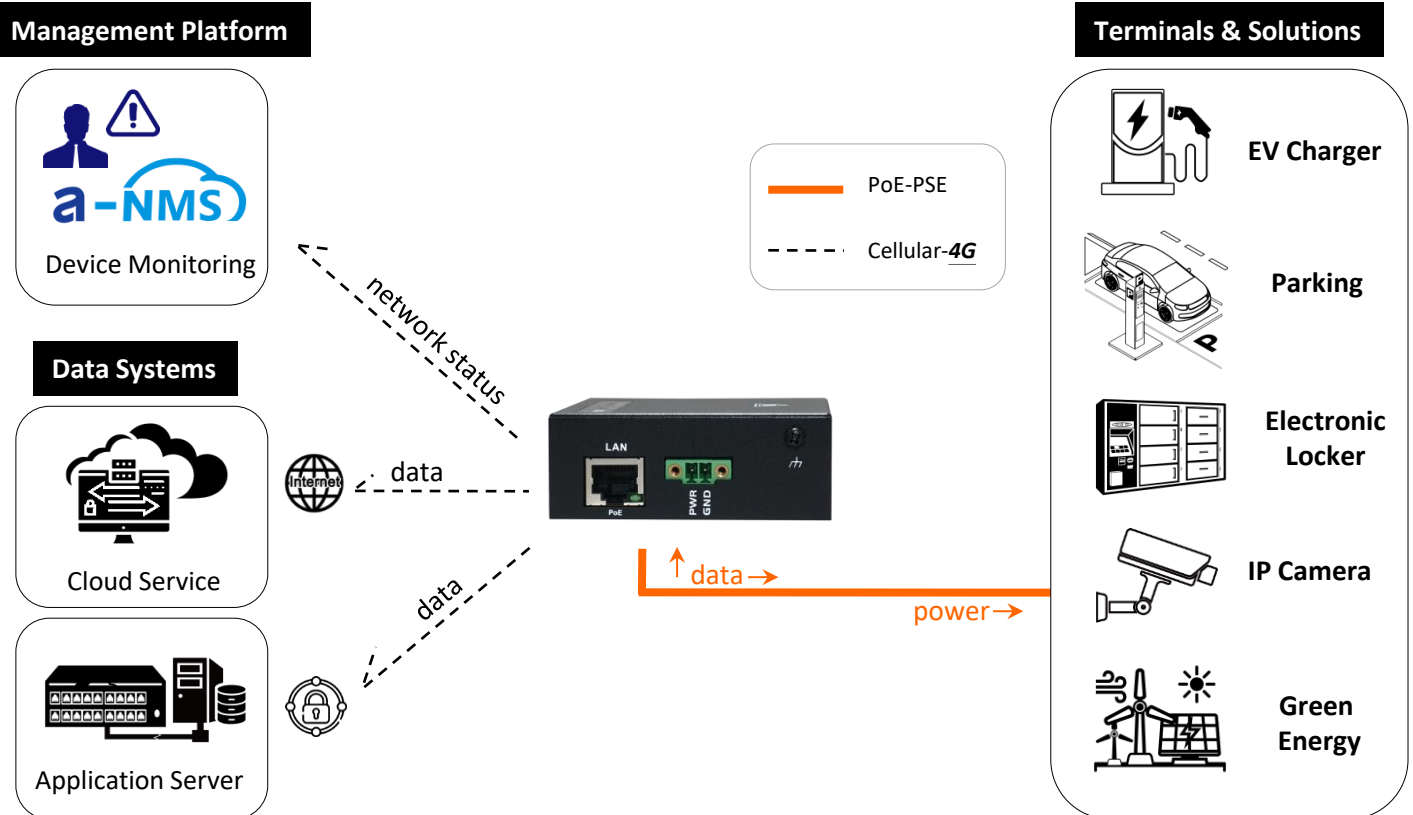- • Remote operation
- • Industrial PC

## BENEFITS
1. Easy to deploy power and data links for PDs in one cable.
2. The detecting function shares monitoring tasks for managers.
3. Reduce the likelihood of sudden system crashes in PDs through scheduling rules.
4. CPU and cellular module are integrated in a compact size for cost-effectiveness.
5. Supports the AMIT device management platform – A-NMS.

## DIAGRAM

**Management Platform**

**a-NMS**
Device Monitoring

**Data Systems**

Cloud Service

Application Server

network status

data

data

Internet

PoE-PSE

Cellular-*4G*

↑ data →

power →

**Terminals & Solutions**

**EV Charger**

**Parking**

**Electronic Locker**

**IP Camera**

**Green Energy**

✓ **Data & Power in one cable**    ✓ **Terminal  Alive Checking**    ✓ **Terminal  Reboot Scheduling**

PoE

Data + Power

No Response

ON

3:00AM  OFF    3:02AM  ON

# SPECIFICATION

## Device Interface
- **Cellular Module:** 1*4G, Cat.4
- **SIM:** 1*Nano-SIM (4FF)
- **Ethernet**: 1*RJ45 FE with 802.3at PSE
- **Power Input**: 2-pin TB for DC 48V-57V Power
  Depending on PD, adjust the power supply (to 50V-57V)
- **Power Consumption**: max. 5W (wo PoE-PSE)
- **Antenna Con.:** 2*SMA (F)-4G

## WAN & Uplink
- **WAN:** Cellular & Config, NAT / Bridge Mode
- **Cellular:** 4G, IPv4/6
- **Network Monitoring:** ICMP Checking

## Protocol
- **LAN & VLAN**: DHCP Server
- **IPv6:** Cellular IPv6
- **Port Forwarding:** Virtual Server
- **Routing:** Static Routing , Routing Information
- **PoE:** Power Control, ON/OFF by Network Checking, Scheduled ON/OFF

## Security
- **VPN Tunnel:** OpenVPN
- **VPN Usage:** Site/Client
- **Access Control:** Packet Filter, MAC Filter, IPS

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

## Administration
- **Configuration:** Web UI , CLI , A-NMS
- **System:** Upgrade, Reboot & Reset
- **Scheduling:** System Reboot

## Environment
- **OP/Storage Temp.:** -30°C ~ 70°C;  -40°C ~ 85°C
- **Humidity:** 10%~95% (non-condensing)
- **Enclosure:** Metal
- **Dimension:** 78x70x29mm

## Package Contents
- 1*Device
- 2*LTE Antennas
- 1*RJ-45 Cable
- 1*Terminal Block (2-pin for DC Power)

## Optional Accessories
- Power Adapter
- Wall-Mount Kit
- DIN-Rail Kit

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

# CERTIFICATION

| yy | Skew | Module Certification |
|----|------|----------------------|
| E0 | EU | Ready |
| U0 | US | Ready |
| J0 | Japan | Ready |
| T0 | Taiwan | Ready |

# MECHANIC DRAWING

*•Front View*



*•Back View*