

5G PoE Modem IDG450-WG001



INTRODUCTION

The IDG450- a 5G PoE Modem with 5G-NR and 4G-LTE dual-mode cellular connection capability makes wireless uplink/downlink at hand. It also features a 2.5 Gigabit Ethernet port with PoE-PSE function to extend data easily in various environments.

BENEFITS

1. Easy deployment of PD power and data link in one cable
2. The detecting function shares monitoring tasks for managers.
3. Reduce sudden system crashes of PDs through scheduling rules
4. Support AMIT device management platform- A-NMS

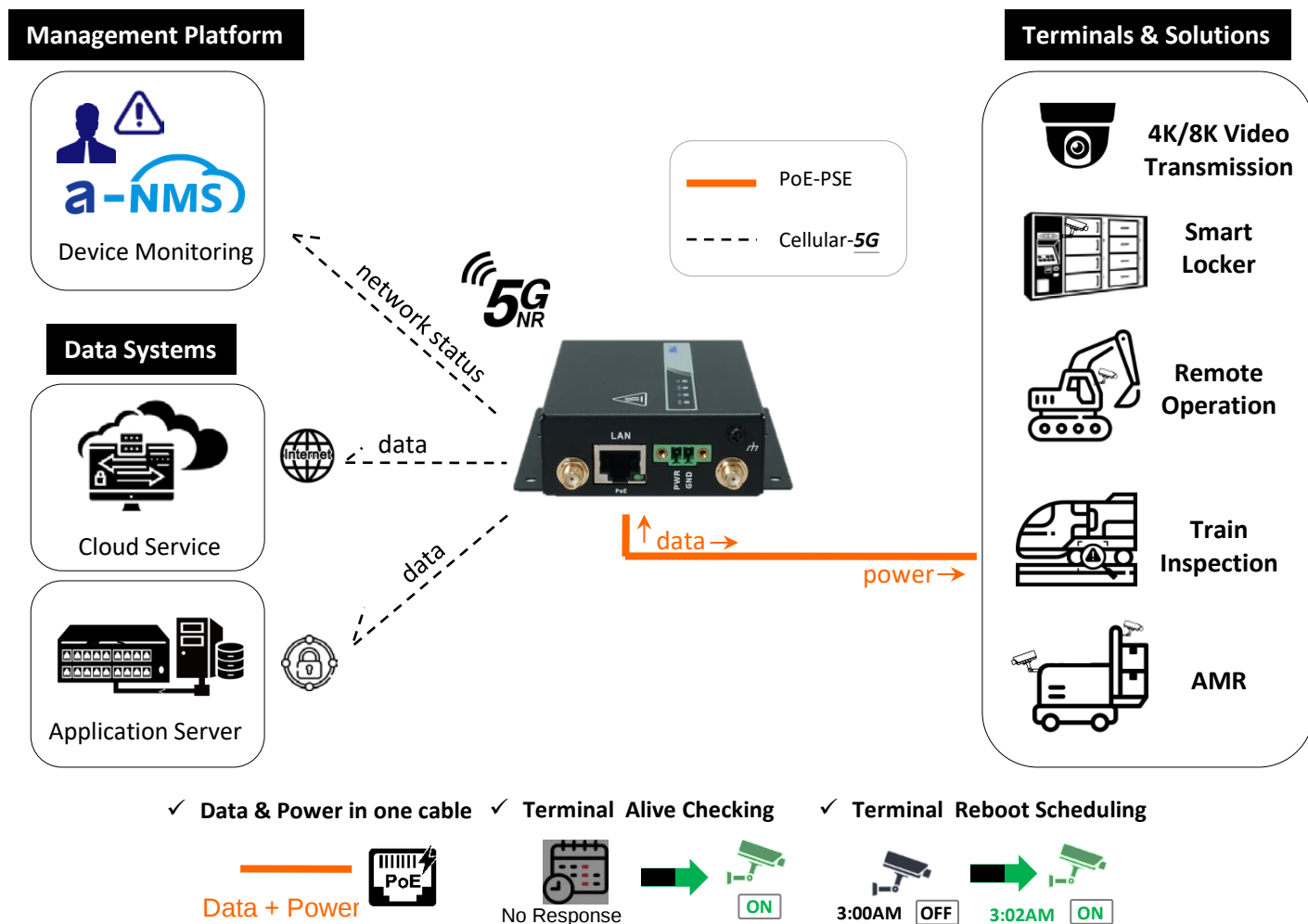
KEY FEATURES

- ✓ 1 * 4G/5G (2*SIM)
- ✓ 1 * RJ-45 2.5GE
- ✓ DC 50-57V in
- ✓ PoE-PSE 802.3at

APPLICATION

- 4K/8K video transmission
- Access point
- Remote operation
- Industrial PC
- RJ45 port for PD device

DIAGRAM



SPECIFICATION

Device Interface

- **Cellular Module:** 1*4G/5G, 3GPP Rel. 16
- **SIM:** 2*Nano-SIM (4FF)
- **Ethernet:** 1*RJ45 2.5GbE with 802.3at PSE
- **System:** 1*Micro USB
- **Power Input:** 2-pin TB for DC 50V-57V Power
- **Power consumption:** max. 4W (wo PoE-PSE)
- **Antenna Con.:** 4*SMA (F)-4G/5G

WAN & Uplink

- **WAN:** Cellular & Config, NAT / Bridge Mode
- **Cellular:** 4G/5G, IPv4/6
- **Network Monitor:** 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, 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, A-NMS
- **System:** Upgrade, Reboot & Reset
- **Scheduling:** System Reboot

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
- 1*Terminal block (2 pins for DC power supply)
- 4*Cellular Antenna (3dBi)
- 1*RJ-45 Cable

Optional Accessory

- Power Adapter
- DIN-Rail kits

ORDERING INFORMATION

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

Comment

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

MECHANIC DRAWING

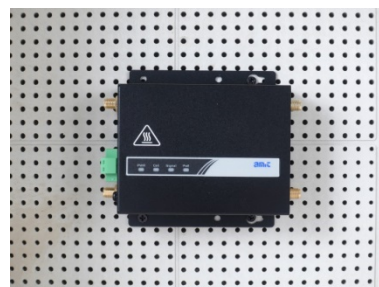
•Front View



•Back View



•With Wall-Mount



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