



5G PoE Multi-Connect Modem IDG470-WG001

INTRODUCTION

The IDG470- a 5G PoE Multi-Connect Modem with 5G-NR and 4G-LTE dual-mode cellular capability makes wireless uplink / downlink at hand. It also features Gigabit Ethernet ports 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

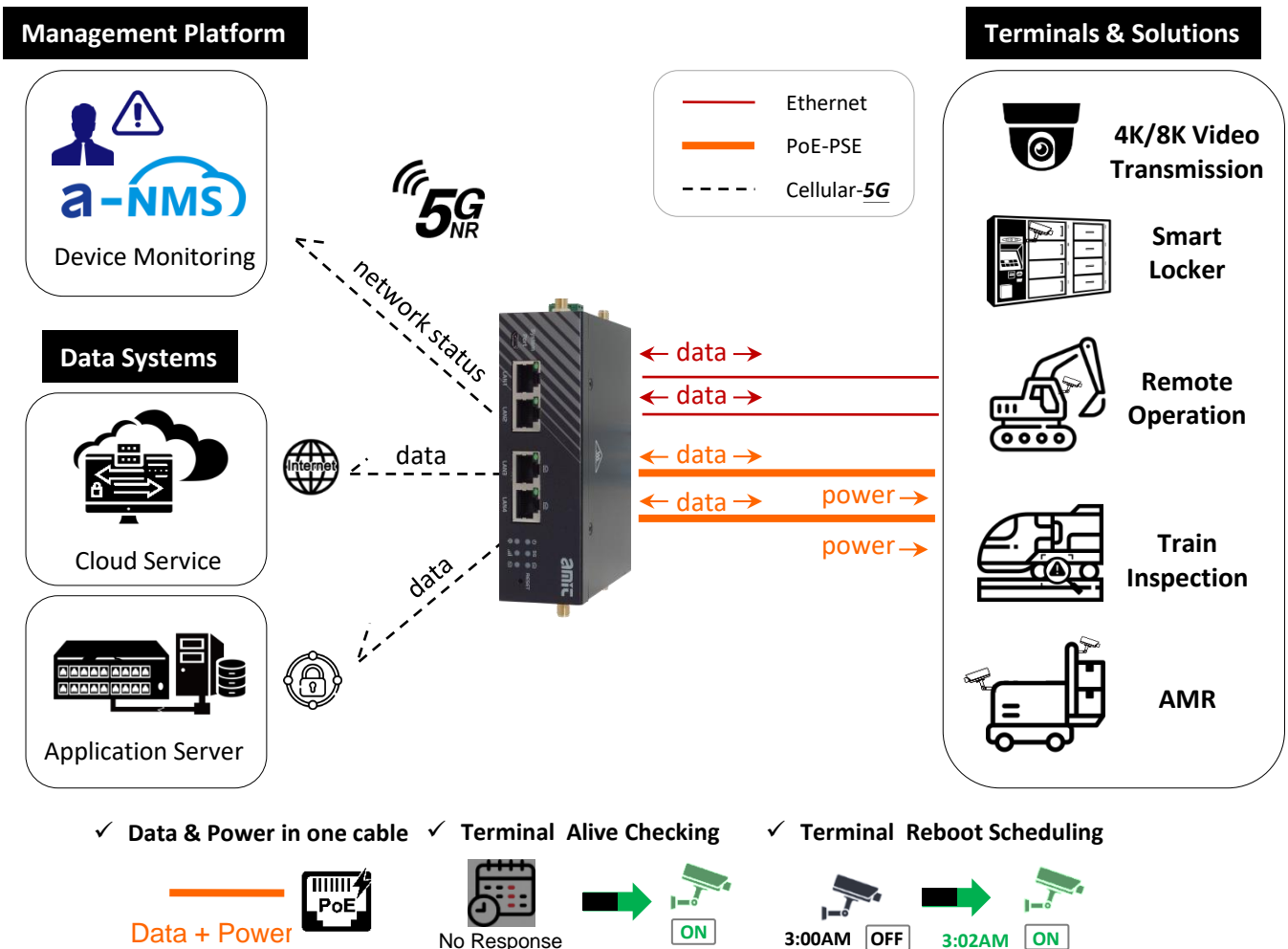
KEY FEATURES

- ✓ 1 * 4G/5G (2*SIM)
- ✓ 4 * RJ-45 GbE
- ✓ DC 48-57V 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

- **LTE Module:** 1*4G/5G, 3GPP Rel. 16
- **SIM:** 2*Micro-SIM (3FF)
- **Ethernet:** 2*RJ45 with PSE 802.3at + 2*RJ45 GbE
- **Power Input:** 2-pin TB for DC 48V-57V Power
Depending on PD, adjust the power supply (to 50V-57V)
Power consumption: max. 6W (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

Administration

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

MECHANIC DRAWING

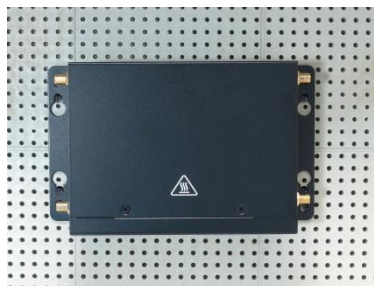
•Front View



•Side View



•With Wall-Mount



Status

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

Security

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

Environment

- **OP/Store Temp.:** -30°C ~ 60°C; -40°C ~ 85°C
- **Humidity:** 10%~95% (non-condensing)
- **Enclosure:** Metal
- **Dimension:** 131x99x40mm

Package Contents

- 1*Device
- 1*Terminal Block (2 pins for DC power supply)
- 4*5G Antennas
- 1*RJ-45 Cable

Optional Accessories

- Power Adapter
- Wall-Mount Kit
- DIN-Rail Kit

ORDERING INFORMATION

Country	Band
Global	5G Sub-6G(SA or NSA): n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79 DL 4 x 4 MIMO: n1/n2/n3/n7/n25/n30/n38/n40/n41/n48/n66/n70/n77/n78/n79 UL 2 x 2 MIMO: n38/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 LAA: B46 DL 4 x 4 MIMO: B1/B2/B3/B4/B7/B25/B30/B38/B40/B41/B42/B43/B48/B66
	5G Sub-6G(SA or NSA): n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n75/n76/n77/n78 DL 4 x 4 MIMO: n1/n3/n7/n38/n40/n41/n77/n78 UL 2 x 2 MIMO (SA only): n38/n40/n41/n77/n78 FDD-LTE Bands: B1/B3/B5/B7/B8/B20/B28/B32/B71 TDD-LTE Bands: B38/B40/B41/B42/B43 DL 4 x 4 MIMO: B1/B3/B7/B38/B41/B42/B43
Regulatory	CE/ FCC/ JATE/ TELECOM/ NCC

Comment

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

AMIT Wireless Inc.

TEL: +886 (0)6 505 8026 FAX: +886 (0)6 505 8068

Web: <https://www.amitwireless.com> Email: sales@amit.com.tw

No. 28, Lane 31, Huandong Rd., Sec. 1, Xinshi Dist., Tainan City 74146, Taiwan (R.O.C.)