



## M2M 4G - IDG Series IDG400-0TE01 4G Modem

### Wireless WAN at Instant

LTE based modem with Ethernet interface brings simplicity to wireless connection process. It enables WAN connectivity for geo-distributed standalone devices across category of IT, business, industry and security.

### Dedicated to customer applications

Essential flexibility is offered to support unique user cases. Built-in Qualcomm based LTE module and based on open Linux platform, it is highly programmable for customized applications. Compact device features rugged aluminum enclosure and can operate in temperature range from -30°C to +70°C. USB powered, low weight and detachable antennas. It easy to deploy anywhere and integrate into end host devices.

### Zero-touch configuration

Plug and play Modems allow instant connectivity for wide range of devices right out of the box. Carrier auto detection and auto APN allow zero configuration connection. Toolkit enables data usage statistics and connection budget control. Backward compatible to past cellular network, it can automatic down grade to operate according to infra-structure deployment.

### Network supervision

Monitoring and settings are available using web UI, AT Commands and SMS. It can also monitors location based devices connectivity status. All are helpful for multi-site management.

### Geo location awareness

Assisted and standalone GNSS modes are having an accuracy of 5m. Modems are capable of geo location awareness. It is helpful to monitor location based devices connection status, or to track mobility devices. Location data complies with NMEA 0183 protocol for backend integration.

### Block Diagram:



### IDG400-0TE01

1\*LTE (1\*SIM)

1\*RJ45 LAN

1\* uUSB 5V

-0TE01: LTE Cat4

### Application:

- Business: Signage, Vending, Kiosk, ATM, POS, Gas/Charge station, Locker
- IT: L3 Switch, NAS, KVM/AV Switch, PDU, WLAN controller , Terminal server
- Industry: PLC, HMI, HVAC, Utility, HEMS,IPC, Elevator, Machine Tools, IED, Generator
- Security: IP-CAM, NVR/DVR, Gate Control

### Connection Diagram:



# Specification Summary

## Device Interface

- **LTE Module:** 1\*LTE-Cat.4, 1\*uSIM, GPS(Optional),
- **Ethernet:** 1\*RJ45 FE
- **Power Input:** Micro USB 5V (Option up to 32V)
- **Antenna Con.:** 2\*SMA (F)-LTE, 1\* SMA(F)-GPS(Optional)

## Network

- **Device Mode:** NAT/Modem
- **WAN:** Cellular Access & Config
- **Cellular:** 3GPP, 2G/3G/LTE, IP Pass-through, IPv4/6
- **Keep Alive:** ICMP

## Protocol

- **LAN:** DHCP Server
- **IPv6:** Cellular IPv6
- **Port Forwarding:** Virtual Server
- **Ext. Server:** DDNS

## System

- **System Time:** Cellular Cell & NTP Sync Time

## Administration

- **Configuration:** Web UI, CLI via Telnet & SSH, Password & MMI
- **System:** FW Upgrade, Reboot & Reset

## Service

- **Cellular Toolkit:** SMS
- **GNSS:** GPS Location Tracking

## Environment

- **OP/Store Temp.:** -30°C ~ 70°C; -40°C ~ 85°C
- **Humidity:** 10%~95% (non-condensing)
- **Enclosure:** Metal, Bracket
- **Dimension:** 77.4x68.5x26mm

## Certificate - CE

- Standards & Regulation
- EMI: EN 55032: 2015 +AC: 2016 Class B, EN61000-3/-6
- EMS: EN 55024, IEC 61000, EN61000-6
- Radio: EN 301 489,, EN50385
- Safety: EN 60950-1, EN 62368-1

## Package Accessory

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

## SKU Information:

### IDG400-0TE01-00-yy : LTE Cat.4

'yy': Area Variant. As below table

yy	SKU	Band	Module Certi.	System Cert.
<b>E0</b>	EU	B1/3/7/8/20	CE,GCF	CE
<b>R0</b>	Russia	B3/7/20	-	EAC
<b>J0</b>	Japan	B1/9/18/19/21	Telec , NTT,KDDI	Telec
<b>J1</b>	Japan	B1/8/41	Telec , Softbank	TBD

#### Comment

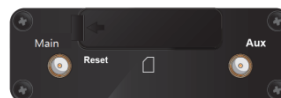
- Specifications are subject to change without prior notice..
- Besides CE, region Certification need to check for availability.

## Mechanic Drawing

### • Top View



### • Front View



### • Back View



## AMIT Wireless Inc.

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

Web: <http://www.amit.com.tw> Email: [sales@amit.com.tw](mailto:sales@amit.com.tw)

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