



# M2M 4G – IDG Series

## IDG761-0T001

### 4G M2M Gateway

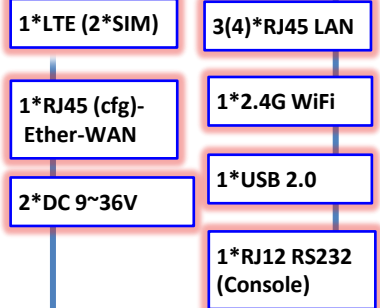
#### Functions:

- Expanding LTE based WAN connection for various IP networks at instant, including enterprise , industry, surveillance , WiFi hotspot network.
- To be primarily or backup WAN for IP network enhances connection. It can expand fail-over for network at single WAN between LTE and Ether-WAN. There are dual SIMs for single LTE to achieve ISP fail-over when primarily fail.
- Compact and easy to be integrated into solution. High speed device covers LTE Cat4 and four port FE LAN . GPS enables location tracking. USB for log storage and future expansion.
- Capable of rich VPN tunnel technology and high throughput up to 90Mbps can build VPN tunnel between IP network/network device with remote center or allow clients to connect in for secure data transmission.
- Cellular toolkit simplifies setting and utilizes ISP service. Data usage monitoring for budget control. Self-defined SMS commands for easy and quick management.
- Both IPv4/IPv6 protocol stack meet ISP requirement. Gateway base on IP pass through or DHCP based NAT with Port Forwarding. Rich Routing function covers static, dynamic and OSPF compatible with most IP network.
- Web-UI for basic setting. CLI and Command Script for advance setting. TR-069 used with AMIT-NMS for multi-site management. SNMP used for popular network tools management.

#### Block Diagram:



#### IDG761-0T001

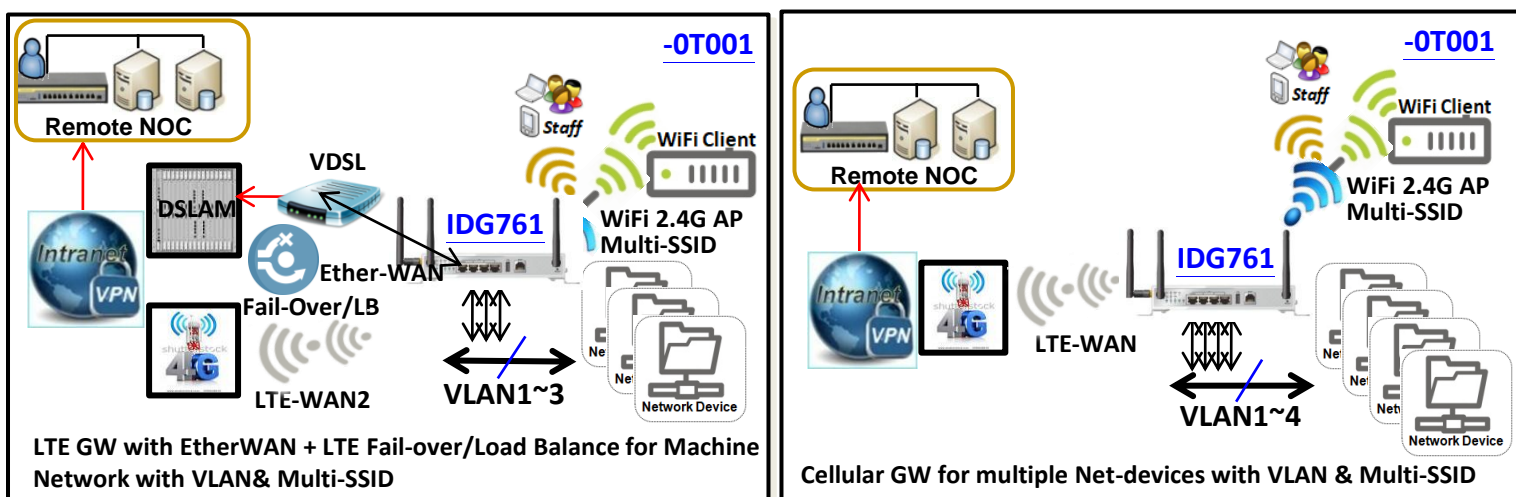


-0T001: LTE Cat4

#### Application:

- SMB data center network backup
- Remote branch network
- Surveillance network
- Rural & mobile WiFi hotspot
- High speed video server

#### Connection Diagram:



# Specification Summary

## Device Interface

- **LTE Module:** 1\*LTE-Cat.4, 2\*SIM
- **Ethernet:** (1+3)\*RJ45 FE
- **WiFi:** 1\*11n-2\*2
- **Log Storage:** 1\*USB
- **Power Input:** 2\* DC 9V ~ 36V (Terminal block)
- **Antenna Con.:** 2\*SMA (F)-LTE, 2\* SMA(M)-WiFi

## WAN & Uplink

- **WAN:** 1\*Cellular & Config. Ether-WAN; Failover
- **Cellular:** 2G/3G/LTE, IP Pass-through, IPv4/6
- **Ether-WAN:** Dynamic IP, Static IP, PPPoE, PPTP, L2TP
- **Network Monitor:** ICMP/DNS Query

## WiFi

- **Standard:** 802.11 Industry Compliance
- **Mode:** AP Router, WDS, WDS Hybrid Modes
- **Functions:** Multi-SSID, WMM
- **Security:** WEP, WPA, WPA2, WPA-PSK, WPA2-PSK, 802.1x
- **Captive Portal:** External Web Portal

## Protocol

- **LAN & VLAN:** DHCP Server/Relay, Port/Tag based VLAN
- **IPv6:** Dual Stack, Static IPv6, DHCPv6, PPPoEv6
- **Port Forward:** NAT 1-1, 1-many, DMZ, Virtual Server & Computer, VPN Pass-through
- **Routing\*:** Static, Dynamic - RIP1/RIP2, OSPF, BGP

## Object

- **Scheduling:** Time Schedule List
- **Grouping:** Host Grouping List
- **Ext. Server:** Email, Syslog, RADIUS, SCEP, FTP, DDNS, IGMP
- **Certificate:** My Certificate, Trusted Certificate, Issue Certificate

## Security

- **VPN Tunneling:** IPsec, OpenVPN, PPTP, L2TP, GRE
- **Scenario:** Site/Host, Client
- **VPN Capability:** DMVPN, Full Tunnel
- **Firewall\*:** SPI Firewall with Stealth Mode, IPS
- **Access Control\*:** Packet Filter, URL Blocking, MAC Filter

## Administration

- **Configuration:** Web UI, CLI, Command Script
- **Management:** SNMPv3 Std. & AMIT MIB, TR-069
- **System:** Upgrade, Backup & Restore, Reboot & Reset, SysLog
- **Diagnostic:** Packet Analyzer, Diagnostic Tools

## Service

- **Cellular Toolkit:** Data Usage, SMS, SIM PIN, USSD, Network Scan
- **Event Handling:** Manage/Notify Events action or trigger by SMS, SNMP Trap, Email Alert, SysLog
- **Network Service:** Dynamic DNS, Time Sync
- **Scheduling:** System Reboot, Function On / Off

## Environment

- **OP/Store Temp.:** -30°C ~ 70°C; -40°C ~ 85°C
- **Humidity:** 10%~95% (non-condensing)
- **Enclosure:** Metal, Bracket
- **Dimension:** 187x110x31mm (w/o mounting kit), 225x110x39mm (with mounting kit)

## 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, EN 300 328, EN 301 893, EN50385
- Safety: EN 60950-1, EN 62368-1

## Package Accessory

- 1\*Device
- 2\*Cellular Antenna (3dBi), 2\*WiFi Antenna
- 1\*Power Adapter DC 12V/2A
- 1\*4 pins Terminal Block
- 1\*DIN Rail Kit, 1\*Screw Bag
- 1\*CD (User Manual)
- 1\*Mounting Bracket
- 1\*RJ45 Cable
- 1\*Console Cable

## SKU Information:

### IDG761-0T001-00-yy : LTE Cat.4

'yy': Area Variant. As below table

yy	SKU	Band	Module Certi.	System Cert.	GNSS
E0	EU	B1/3/7/8/20	CE,GCF	CE	N/A
R0	Russia	B3/7/20	-	EAC	N/A
U0	US	B2/4	PTCRB, AT&T	TBD	N/A
J0	Japan	B1/9/18/19/21	Telec, NTT,KDDI	Telec	N/A
J1	Japan	B1/8/41	Telec, Softbank	TBD	N/A
T0	Taiwan	B3/7/8/28	NCC	TBD	N/A
C0	China	B3/8/39/40/41		TBD	N/A
A0	Australia	B1/3/5/7/28/40	RCM,	TBD	N/A

Comment

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

## Mechanic Drawing

### • Front View



### • Left View



### • Right View



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