

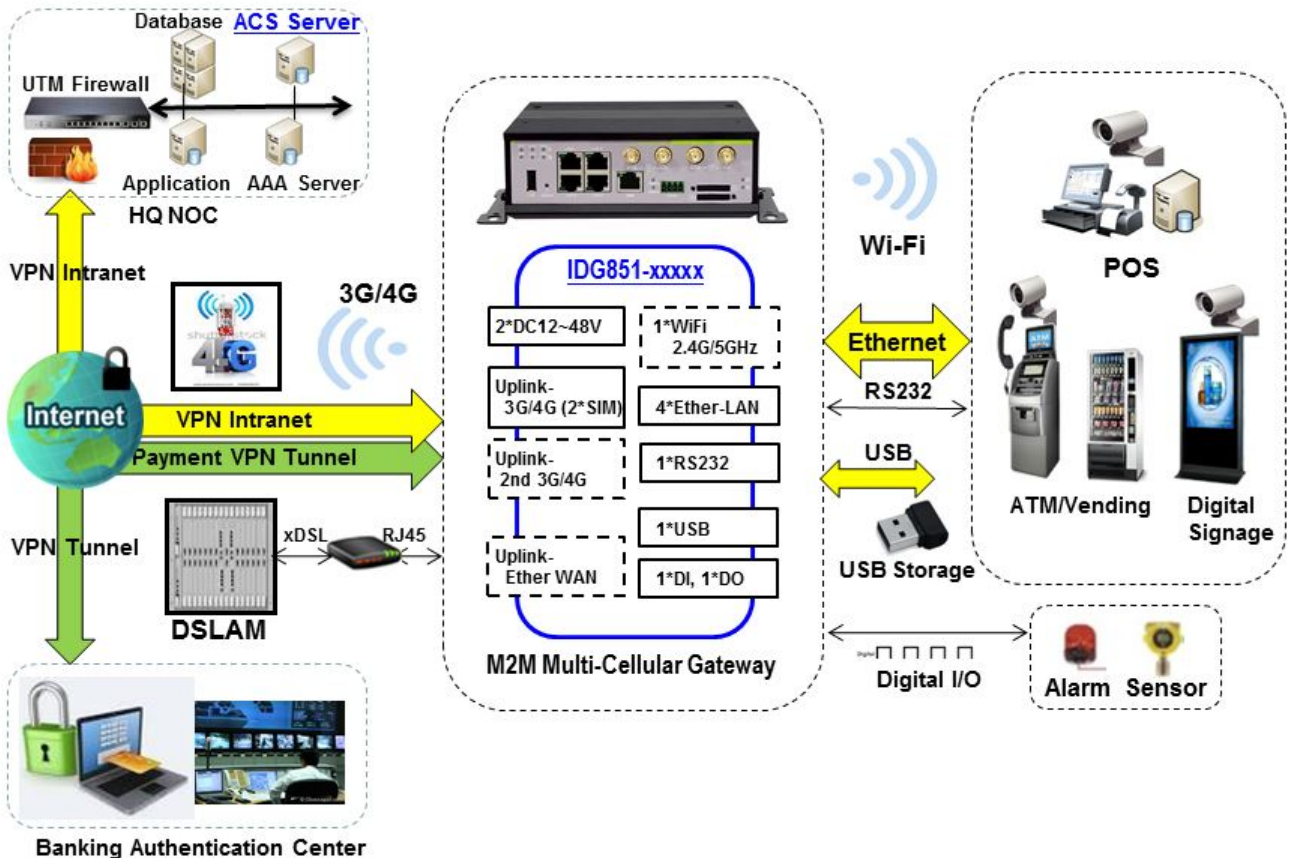


M2M Cellular Gateway

Feature Sets:

- Smart Business solution for Retail POS and self-service stations, like ATM, vending machine, and digital signage applications.
- Equip with dual-SIM LTE module, or dual single-SIM LTE modules with failover function.
- WiFi Compliance IEEE802.11n/ac 2T2R; Multiple (8) SSIDs for privilege group devices or users.
- 4*GE LAN port with tag based and port based VLANs easily to group control and relocate traffic pattern.
- Fully protocol with NAT/ Routing/IPv6 compatible with most IP network.
- IPSec, OpenVPN, PPTP, and L2TP VPN support up to 16 concurrent tunnels with max 100Mbps throughput (IPSec).
- Firewall with SPI and IPS function prevent hacker attacking and enhance network efficiency.
- SNMP, Telnet CLI, and TR-069 for administrator to manage system.
- QoS and Bandwidth management for optimal bandwidth usage.
- Seamless power failover between redundant DC 12V~48V wide range power input.

Connection Diagram:



Product Specification¹:

IDG851	-0T001	-LP001	-LT001	-0T031	-0T041
Uplink – Cellular	1* LTE cat.4 (dual SIM)	2*HSPA+ (1+1 SIM)	2* LTE cat.4 (1+1 SIM)	1* LTE cat.4 (dual SIM)	
	(LTE: 800/900/1800/2100/2300/2600MHz; UMTS: 850/900/1900/2100MHz; GPRS/EDGE: 850/900/1800/1900MHz) ²				
Uplink – Fixed Line	1*RJ45 GE (WAN/LAN configurable)				
LAN - Ethernet	4(5)*RJ45 GE				
WLAN - WiFi	-		802.11 a/n/ac 2T2R (5GHz)		802.11 a/b/g/n/ac 2T2R(2.4G/5GHz)
Serial Port	1*RS232(TX/RX)				
Input / Output	1*DI (“Logic 0”: 0~2V, “Logic 1”: 5V~30V), 1*DO (Relay Mode, up to 30V / 1A)				
Log Storage	1*USB 2.0				
Power Source	2* DC 12V ~ 48V (Terminal Block), Power Consumption: max. 20W				

WAN	Multiple WANs, Failover/Load Balance
WiFi LAN	AP Router, WDS, WDS Hybrid Modes (only for the models with WiFi)
VLAN	Port-based, Tag-based VLAN
Port Forwarding	Virtual Server/ Computer, DMZ Host, PPTP/L2TP/IPSec Pass-through
Routing	Static, Dynamic: RIP1/RIP2, OSPF, BGP
QoS	Policy-based Bandwidth Control and Packet Flow Prioritization
Virtual COM	RFC2217, TCP Client, TCP Server, UDP
VPN	IPSec, OpenVPN, PPTP, L2TP, GRE;
Firewall	SPI Firewall with Stealth Mode, IPS
Access Control	Packet Filter, URL Blocking, MAC Filter, Content Filter, Application Filter
Cellular Toolkit	SMS, Data Usage, SIM PIN, USSD, Network Scan
Event Handling	Managing / Notifying Events; DI, DO, SMS, Syslog, SNMP Trap, Email Alert, Reboot
Configuration & Management	Web, Telnet CLI, Command Script, TR-069, SNMPv3 standard & AMIT MIB
System Operation	MMI, System Information, System Time / Log, Backup & Restore, Reboot & Reset
FTP	FTP Server, User Account
Diagnostic	Packet Analyzer, Diagnostic Tools
Dimension (LxWxH)	160x125x62mm (w/o mounting kit) 200x125x65mm (with Bracket kit) 62x135x160mm (with DIN Rail kit)
Temperature ³	Operational: -30°C ~ 70°C; Storage: -40°C ~ 85°C
Humidity	10% ~ 95% (non-condensing)

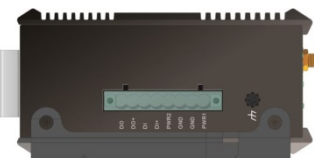
- Specifications are subject to change without prior notice.
- Supported cellular frequency depends on regional hardware version.
- 3G/4G and WiFi performance will be degraded if device's ambient temperature is above 60°C.

Device Interface:

(1) Front View



(2) Left View



(Note: Interfaces may vary depending on models.)

Accessory List:

- Package Content
 - 1*Device, 1*Terminal Block (8-pin for DC Power & DI/DO), 1* Terminal Block (4-pin for serial port), 1*DIN Rail Bracket, 2*Mounting Brackets, 1*Screw Bag, 1*CD (User Manual);
- Optional Accessory
 - Power Supply;
 - Cellular & WiFi Antenna, RF Cable;

Certification:

- Approval / Certificate
 - CE
- Standards & Regulation
 - EMI: EN 55032: 2015 +AC: 2016 Class B
 - EN 61000-3-2:2014
 - EN 61000-3-3:2013
 - EMS: EN 55024:2010+A1:2015
 - EN 61000-6-2:2005+AC:2005
 - IEC 61000-4-2(ESD) Level 4
 - IEC 61000-4-3(RS) Level 4
 - IEC 61000-4-4(EFT) Level 4
 - IEC 61000-4-5(Surge) Level 3
 - IEC 61000-4-6(CS) Level 3
 - IEC 61000-4-8(PFMF) Level 4
 - Radio: EN 301 489-1/-7/-17/-24/-52, EN 300 328 V2.1.1
 - EN 301 893 V1.8.1, EN 50385
 - Safety: EN 60950-1

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

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

IDG851 Datasheet, V1.7c