

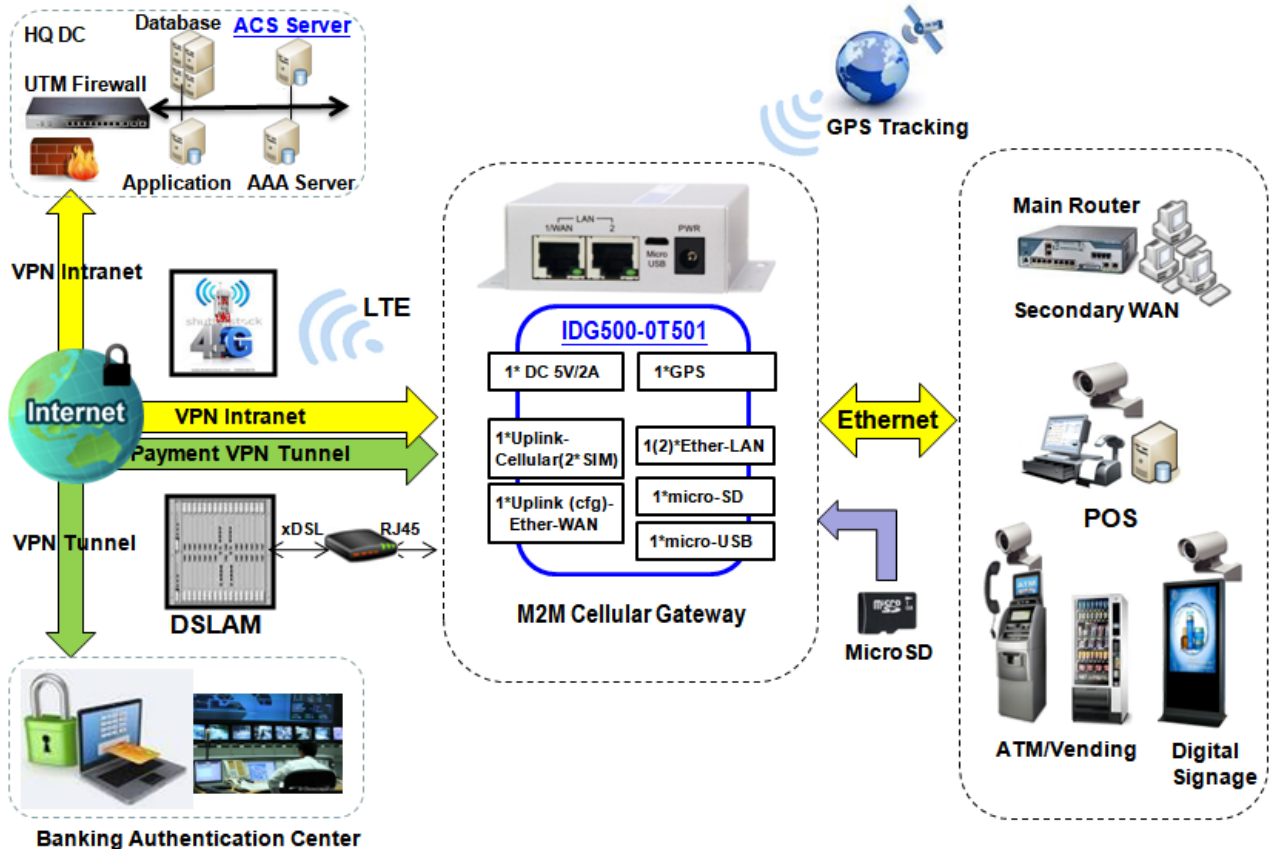


## M2M Cellular Gateway

### Feature Sets:

- **Compact design:** Built-in LTE and configurable Ethernet WAN/LAN can provide Ethernet machine easy connection to internet/intranet by LTE or wired connection.
- **Dual SIM:** Equip with a dual-SIM LTE module with failover function.
- Smart Business solution for Retail POS and self-service stations, like ATM, vending machine, and digital signage applications.
- **Complete Network:** Built-in NAT/Port Forward/Routing/IPv6 are compatible to existing IP network.
- **Highly Security:** Various VPN protocol & scenario can setup secure intranet; built-in Firewall & IPS prevent malicious attacks; ACL & Authentication by MAC /User enhances secure access.
- **Flexible Administration:** Web UI is used for basic setting; programmable CLI and Command Script is used for advanced configuration; system can be managed by NMS based on SNMP or TR-069.
- **Smart Event Handling:** Mechanism to manage action for pre-define events by administrator. Events can be triggered or notified based on System/Interface status change, SMS, SNMP trap, or e-mail.
- **Expandable Design:** Reserved USB together with SDK can expand design easily for special application demand.

### Connection Diagram:



# Specifications<sup>1</sup>:

## Device Interfaces

Uplink:	1*LTE module (dual micro-SIM), 1*RJ45 GE (configurable)
LAN-RJ45:	1(2)*RJ45 GE
Log Storage:	1*MicroSD Slot, support SD-XC Class 10 (max. 64GB)
USB:	1*MicroUSB 2.0
GNSS:	1*embedded GPS Receiver
Cellular Band <sup>2</sup> :	LTE: 800/900/1800/2100/2300/2600 MHz, UMTS: 850/900/1900/2100 MHz, GPRS/EDGE: 850/900/1800/1900 MHz
Antenna:	2*3dBi detachable ant. (3G/4G) 1*SMA Jack(F) for GPS ant. (not included)
Power Source:	DC 5V / 2A

## WAN Functions

WAN:	Multiple WANs, Failover, Configurable Ethernet/4G
Cellular:	2G/3G/LTE, IP Pass-through
Ethernet:	Dynamic IP, Static IP, PPPoE, PPTP, L2TP
IPv6:	Dual Stack, 6-in-4, 6-to-4

## Basic Functions

Ethernet:	LAN IP, Subnet Mask
VLAN:	Port-based, Tag-based
Port Forwarding:	Virtual Server/ Computer, DMZ Host, PPTP/L2TP/IPSec Pass-through
Routing:	Static, Dynamic: RIP1/RIP2, OSPF, BGP

## Object Definition

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

## Security

VPN Tunneling:	IPSec, OpenVPN, PPTP, L2TP, GRE; Tunneling with Full Tunnel, Tunnel Failover
VPN Scenario:	Site to Site, Site to Host, Host to Site, Host to Host, Hub and Spoke, Dynamic VPN
Firewall:	SPI Firewall with Stealth Mode, IPS
Access Control:	Packet Filter, URL Blocking, MAC Filter

## Service

Cellular Toolkit:	SMS, Data Usage, SIM PIN, USSD, Network Scan
Event Handling:	Managing / Notifying Events; SMS, Syslog, SNMP Trap, Email Alert, Reboot
Location Tracking:	GNSS

## Administration

Config.& Mgmt.:	Web, Telnet CLI, Command Script, TR-069, SNMPv3 standard & AMIT MIB
System Op.:	MMI, System Info., System Time / Log, Backup & Restore, Reboot & Reset
FTP:	FTP Sever, User Account
Diagnostic:	Packet Analyzer, Diagnostic Tools

## Dimension

Device (LxWxH): 93x90x27mm

## Environment

Operation Temp. <sup>3</sup> :	-30 °C ~ 70 °C
Storage Temp.:	-40 °C ~ 85 °C
Humidity:	10% ~ 95% (non-condensing)

## Accessory

Package Content	1*Device, 2*Cellular Antenna (3dBi), 1*Power Adapter (DC 5V/2A), 1*RJ45 Cable, 4*Rubber feet, 1*CD (User Manual)
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## Certification

Approval / Certificate	CE
Standards & Regulation	EMI: EN 55032: 2015 +AC: 2016 Class B EN 61000-3-2:2014, 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/-24/-52 EN 50385
Safety:	EN 60950-1

1. Specifications are subject to change without prior notice.

2. Supported cellular frequency depends on regional hardware version.

3. 3G/4G performance will be degraded if device's ambient temperature is above 60°C.

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