

## In-Vehicle Series

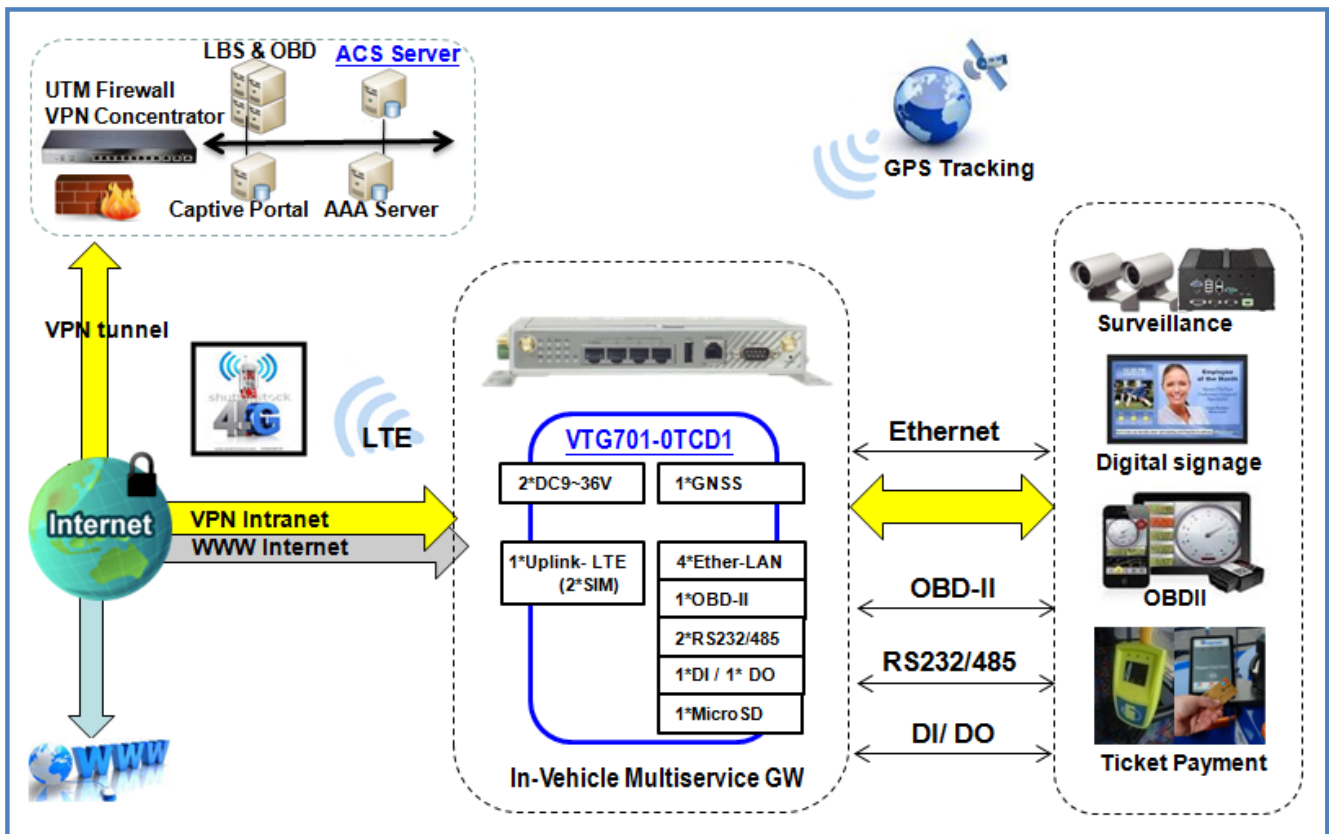
### VTG701-0TCD1 In-Vehicle Teleservice GW



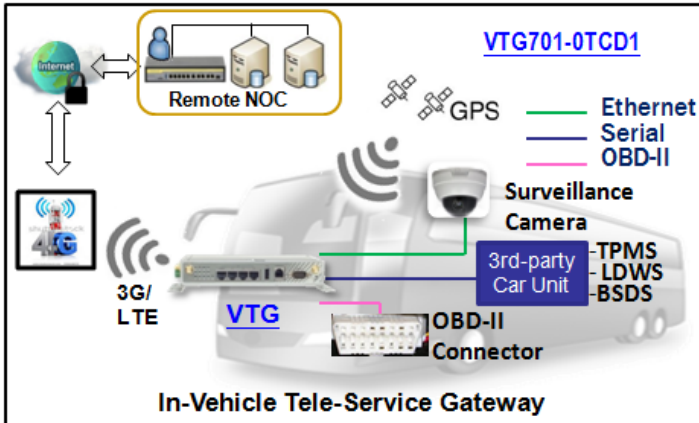
#### Feature Sets:

- In-vehicle teleservice gateway to provide functions including devices IP network connection, location tracking, and remote maintenance.
- Equip with a dual-SIM LTE, provide WAN failover function for highly reliable requirement, without geographic limit.
- 4\* FE LAN port with tag based and port based VLANs easily to group control and relocate traffic pattern.
- With OBD-II, RS-232/485, and DI/DO connectivity, remote management center can get the updated status of vehicle. GPS also provides ability for vehicle tracking or fleet management.
- Fully protocol stack for both IPv4/IPv6, afford 128 users and 50,000 concurrent sessions.
- IPSec, PPTP, and L2TP VPN support up to 8 concurrent tunnels with max 70Mbps throughput (IPSec).
- Firewall with SPI and IPS 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.
- ISO7637 compatible 9V~36V power input. Rugged metal case with vibration and shock proof, easy to install with brackets in various place.

#### Connection Diagram:



## Applications:



**Application:** To deploy a cellular gateway for in-vehicle teleservice applications

### Description:

- The easiest way to deploy a cellular gateway for connecting your in-vehicle equipments (like GPS, OBD-II, Ticketing, IP-Cams, and Digital Signage) to the management center.
- With LTE as internet connection, it is plug and play without geographic limit.
- The most cost-effective product for you with robust design for secure internet access, variable voltage range, wide temperature range.
- Easily been managed by AMIT ACS server or management SW.

## Specifications<sup>1</sup>:

### Device Interfaces

Uplink:	1*embedded LTE (dual SIM),
LAN-RJ45:	4*RJ45 FE
Comm. Bus:	2* RS232/RS485
I/O:	1*DI, 1*DO
GNSS	1*GPS
Mgmt. Port:	1*RJ12 (RS232 Console)
Storage & Log:	1*MicroSD
3G/4G Band <sup>2</sup> :	LTE: 800/900/1800/2600 MHz, UMTS: 900/2100 MHz
Antenna <sup>3</sup> :	2*SMA for external LTE ant.
Power Source:	Dual DC 9V~36V

### WAN Functions

WAN:	3G/4G WAN
Cellular:	2G/3G/LTE IPv4/IPv6, IP Pass-through
IPv6:	Dual Stack, 6-in-4, 6-to-4, Dynamic, Static

### Basic Functions

Ethernet:	LAN IP, Subnet Mask
VLAN:	Port-based, Tag-based
NAT:	ALG, Special AP, DMZ Host, Virtual Server/Computer, PPTP/L2TP/IPSec Pass-through
Routing:	Static, Dynamic: RIP1/RIP2, OSPF, BGP
Virtual COM:	RFC2217, TCP Client, TCP Server, UDP
Teleservice:	OBD-II Data Acquisition, Location Tracking

### Management

Configuration:	Web UI, Telnet CLI, Console CLI
Network:	SNMPv3, TR-069
Event & Handler:	SMS, Syslog, SNMP Trap, Email Alert, Reboot

### Cellular Functions

Connectivity:	SIM-SIM Failover / Failback, Reliability 24/7
APN Mgmt.:	Auto-Detection, User Defined Priority, Manual
Network Scan:	Operator/Service Type/Band Selection
Data Plan:	Monitor, Usage Warning, Connection, Restricted
SMS:	Send, Receive, Forward, Event Notify, Device Management
USSD:	Manual/USSD Profile

### Advanced Functions

Firewall:	SPI Firewall with Stealth Mode, IPS
Access Control:	MAC Address Control, Packet Filters, URL Blocking
QoS & BWM:	Policy-based Bandwidth Control and Packet Flow Prioritization
VPN Tunneling:	IPSec, PPTP, L2TP, GRE, Open VPN, DMVPN, L2TP over IPSec; Tunneling with Full Tunnel
VPN Scenario:	Site to Site, Site to Host, Host to Site, Host to Host, Hub and Spoke, DMVPN, Dynamic VPN
VPN Capability:	IPSec: up to 8 tunnels

### Systems

System:	Status & Statistics, Tools, Scheduling, FW Upgrade, Backup & Restore Settings, Watch Dog
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### Environment

Operation Temp.:	-20 °C ~ 60 °C
Storage Temp.:	-40 °C ~ 85 °C
Humidity:	10% ~ 95% (non-condensing)

1. Specifications are subject to change without advanced notice.
2. Supported frequency band is dependent upon regional hardware version.
3. External antennas are optional accessories, not included in the product package.

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