Get Vehicles On-Line at Instant
VHG760-0T023 is a Cat-4 LTE-based gateway that brings simplicity to wireless connection process. With worldwide LTE spectrum, it enables WAN connectivity for moving vehicles and contribute a reliable bi-directional communication for other on-board electronic devices. Intelligent network monitoring allows VHG760-0T023 to re-connect automatically or fail over to alternative SIM card.

Mobile WiFi Hotspot
Providing Internet and WiFi access to riders has become an essential service. VHG760-0T023 equips 2.4GHz MIMO 802.11n WiFi that is most suitable to be a WiFi hotspot for taxis, caravans, or recreation vehicles. Working with external portal server enables an efficient way of user authentication and billing. QoS and bandwidth management also guarantee a better quality of experience.

Geo Location Tracking
VHG760-0T023 has built-in a GPS receiver that can retrieve location data from global GPS satellite system, and then forward to remote servers. It is helpful to track locations of vehicles and integrate with LBS (Location-Based Service) or AVL (Automatic Vehicle Location) applications. With compliant to NMEA 0183 standard format, it becomes much easier for backend servers integration.

Efficient Management
Device setting and status monitoring are available using web GUI, CLI, command script, and SMS. With AMIT NMS management platform, it provides a more efficient way of device status monitoring, group configuration, and batch firmware upgrade. It significantly reduces time and maintenance cost, and especially helpful to manage devices that are installed on moving vehicles.

Dedicated to Harsh Environment
Many challenges in the way for electronic devices in vehicles, including unstable power source, transients, vibration, and extreme temperature. To overcome those problems, VHG760-0T023 adopts special hardware components that are compliant to ISO7637-2 and MIL STD-810G requirements to show its confidence while it performs on the road.
**Specification Summary**

**Device Interface**
- **LTE Module**: 1*LTE-Cat.4, 2*SIM, with GNSS (-0T023)
- **Ethernet**: 2*RJ45 FE
- **Wi-Fi**: 1*11n-2*2
- **Log Storage**: 1*microSD card slot
- **Power Input**: 1* DC 9V ~ 36V (Terminal Block)
- **Antenna Conn.**: 2*SMA (F)-LTE, 2*SMA(M)-Wi-Fi, 1* SMA(F)-GPS

**WAN & Uplink**
- **WAN**: Cellular & Config, Ether-WAN; Failover, Load Balance, 3GPP, 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, 6-in-4, 6-to-4
- **Port Forward**: NAT 1-1, 1-many, transversal, DMZ, Virtual Server & CPU, VPN Pass-through
- **Routing**: Static, Dynamic - RIP1/RIP2, OSPF, BGP
- **QoS**: Policy-based, 802.1q and TOS for priority queues

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

**Service**
- **Cellular Toolkit**: Data Usage, SMS, SIM PIN, USSD, Network Scan
- **Event Handling**: User Defined Manage/Notify Event; Action & Trigger by SMS, Mail, Syslog, SNMP Trap, System HW
- **GNSS**: GPS Location Tracking / Viewer

**Security**
- **VPN Tunneling**: IPSec, OpenVPN, PPTP, L2TP, GRE
- **Scenario**: Site/Host to Site/host; Hub and Spoke; Dynamic VPN
- **VPN Capability**: IPSec: up to 8 tunnels
- **Firewall**: SPI Firewall with Stealth Mode, IPS
- **Access Control**: Packet Filter, URL Blocking, MAC Filter

**Administration**
- **Configuration**: Web UI, CLI, Command Script, Python
- **Management**: SNMPv3 Std. & AMIT MIB, TR069
- **System**: Upgrade, Backup & Restore, Reboot & Reset, Syslog
- **FTP**: FTP Server, User Account
- **Diagnostic**: Packet Analyzer, Diagnostic Tools

**Environment**
- **Operation Temp.**: -30˚C ~ 70˚C
- **Storage Temp.**: -40˚C ~ 85˚C
- **Humidity**: 10%~95% (non-condensing)
- **Enclosure**: Metal, Bracket
- **Dimension**: 131x99x31mm (w/o bracket kit)
  167x99x39mm (w/ bracket kit)

**Certification**
- **Wi-Fi**: 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, 6-in-4, 6-to-4
- **Port Forward**: NAT 1-1, 1-many, transversal, DMZ, Virtual Server & CPU, VPN Pass-through
- **Routing**: Static, Dynamic - RIP1/RIP2, OSPF, BGP
- **QoS**: Policy-based, 802.1q and TOS for priority queues

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

**Service**
- **Cellular Toolkit**: Data Usage, SMS, SIM PIN, USSD, Network Scan
- **Event Handling**: User Defined Manage/Notify Event; Action & Trigger by SMS, Mail, Syslog, SNMP Trap, System HW
- **GNSS**: GPS Location Tracking / Viewer

**SKU Information**

**VHG760-0T023-00-yy : LTE Cat.4**

'yy': Area Variant. As below table

<table>
<thead>
<tr>
<th>YY</th>
<th>Skew</th>
<th>Band</th>
<th>Module Cert.</th>
<th>System Cert.</th>
<th>GNSS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EO</td>
<td>EU</td>
<td>B1/3/7/8/20/38/40/41</td>
<td>CE,GCF</td>
<td>CE</td>
<td>GPS</td>
</tr>
<tr>
<td>UO</td>
<td>US</td>
<td>B2/4</td>
<td>PTCRB, AT&amp;T</td>
<td>TBC</td>
<td>GPS</td>
</tr>
<tr>
<td>J0</td>
<td>Japan</td>
<td>B1/9/18/19/21</td>
<td>TELEC, NTT, KDDI</td>
<td>TBC</td>
<td>GPS</td>
</tr>
<tr>
<td>J1</td>
<td>Japan</td>
<td>B1/8/41</td>
<td>TELEC, Softbank</td>
<td>TBC</td>
<td>GPS</td>
</tr>
<tr>
<td>T0</td>
<td>Taiwan</td>
<td>B3/7/8/28</td>
<td>NCC</td>
<td>TBC</td>
<td>GPS</td>
</tr>
<tr>
<td>C0</td>
<td>China</td>
<td>B3/39/40/41</td>
<td>SRRC</td>
<td>TBC</td>
<td>GPS</td>
</tr>
<tr>
<td>A0</td>
<td>Australia</td>
<td>B1/3/5/7/28/40</td>
<td>RCM</td>
<td>TBC</td>
<td>GPS</td>
</tr>
</tbody>
</table>

**Note**
- Specifications are subject to change without prior notice.
- Besides CE, other regional certification needs to be checked for availability.

**Mechanic Drawing**

(1) Front View

(2) Left View

(3) Right View