

4G Transit Gateway VHG87B-OT018



KEY FEATURES

- ✓ 1* 4G (2*SIM)
- ✓ 4* RJ-45 GbE
- ✓ WiFi 6 AX1800 DBDC
- ✓ TB 12-36V in
- ✓ Ignition Sense
- ✓ GNSS Receiver
- ✓ EN50155

INTRODUCTION

The VHG87B Transit Gateway which includes LTE cellular and WiFi 6 capability. It also complies with EN50155 for railways and metros.

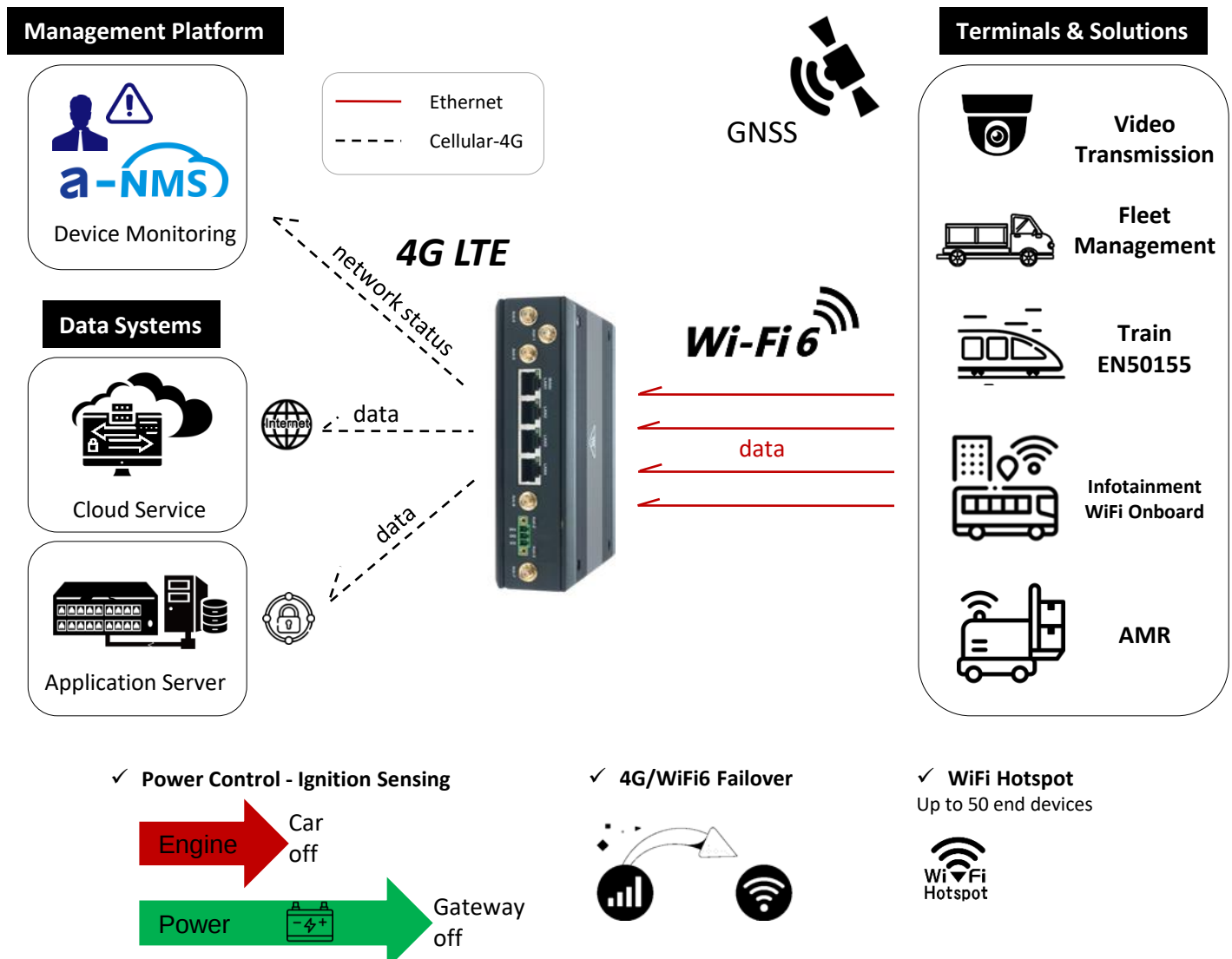
Benefits:

1. Redundancy dual SIM offers connection reliability
2. Dual image and self-recovery function works when an abnormality is detected or unmanned
3. SPI firewall rules and packet/MAC/URL filtering for enhanced security
4. Support AMIT device management platform- a-NMS

APPLICATION

- Vehicle connectivity
- Video transmission
- WiFi hotspot
- Fleet management
- Ticketing and payment system

DIAGRAM



SPECIFICATION

Device Interface

- **Cellular Module:** 1*4G LTE, 2*SIM (Nano SIM)
- **Ethernet:** 4*RJ45 GbE
- **WiFi:** WiFi 6 AX1800 DBDC
- **GNSS:** GPS/GIONASS
- **Power Input:** 1* 12-36V TB, Power Consumption: max. 15W
- **Antenna Con.:** 2*SMA(F)-4G,2*SMA(RP-F)-WiFi, 1*SMA(F)-GNSS

WAN & Uplink

- **WAN:** Cellular & Config. Ether-WAN, Failover
- **Cellular:** 4G LTE Cat.4
- **Ether-WAN:** Dynamic IP, Static IP, PPPoE
- **Network Monitor:** ICMP Check/DNS Query

Protocol

- **LAN & VLAN:** DHCP Server/Relay ,VLAN
- **Port Forward:** NAT 1-1, 1-many, DMZ, Virtual Server
- **Routing:** Static, Dynamic - RIP1/RIP2,OSPF

Wireless

- **Standard:** IEEE 802.11 ax/ac/n/g/b/a Compliance
- **Function:** Multi SSID, Auto Channel Selection, Station Isolation
- **Security:**WPA2-PSK (AES),WPA/WPA2-PSK(TKIP/AES),WPA2/WPA3-PSK(AES/SAE),Enterprise
- **Advanced Function:** WIDS, MU-MIMO, Band Steering

Service

- **Cellular Toolkit:** Data Usage, SIM PIN
- **Scheduling:** System Reboot, Function On/Off
- **GNSS:** GPS Location Tracking / Viewer
- **Power Control:** Ignition Sense

Security

- **VPN Tunnel:** IPSec, WireGuard, OpenVPN, PPTP, L2TP, GRE
- **VPN Usage:** Site/Host, Client/Server
- **Firewall:** Stealth Mode, IPS, Block WAN Ping
- **Access Control:** Packet Filter, URL Blocking, MAC Filter

Management

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

Status

- **Dashboard:** System Information
- **Network Status:** Connection information, Cellular Signal Quality
- **Cellular Mobile:** Signal Quality, IMEI/MEID, Usage Band
- **Security:** VPN Status, Firewall, QoS
- **Management:** SNMP&TR-069 Status, Network access, Cellular usage

Environment

- **OP/Store Temp.:** -30°C ~ 70°C, -40°C ~ 85°C
- **Humidity:** 10%~95% (non-condensing)
- **Enclosure:** Metal Body with Aluminum Extrusion Cover
- **Dimension:** 160 x 125 x 47mm

Package Contents

- 1*Device, 2*4G Antennas, 2*WiFi Antennas
- 1*Terminal Block, 1*RJ-45 Cable

Optional Accessories

- Power Adapter, Wall-Mount Kit

ORDERING INFORMATION

Country	Band	Module Certificate	System Certificate
EU	B1/3/7/8/20/28	CE	CE

MECHANIC DRAWING

•Front View



•Back View



Comment

- Specifications are subject to change without prior notice.