

VDLU

VEHICLE TRACKING & DIAGNOSTICS DEVICE

Track & Trace, Telemetry, Diagnostics and Alerts

The VDLU unit is a vehicle telemetry & tracking device, integrated with vehicle diagnostics abilities (via CANbus and I/O for analog and digital interfaces), such as fuel management, temperature control, driver statistics and behavior and more.

The VDLU consists of new generation GPS receivers with extremely fast startup ratios.

The VDLU can acquire GPS satellite signals and generate fast position fixes with high accuracy in extremely challenging environments and under poor signal conditions.

The unit is commonly implemented within Fleet Management and AVL applications enabling control of vehicle fleets. The VDLU is used by Commercial Freights, Public Transportation providers and Public Safety organizations. The VDLU is implemented as part of a central positioning management system that offers a wide range of operational capabilities.



MAIN FEATURES AND CAPABILITIES

The Vehicle Locator Device consists of the following:

- Easy to deploy (supported by user manuals)
- Cellular and GPS antennas are concealed under vehicle dashboard
- interface to external devices, such as temperature, generator, fuel management and other sensors

TECHNICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions: 60x90x100mm.

Weight: 350gr (including battery).

I/O: Analog input: 2 in, 0-30 volt/4-20mA.
0-5 volt/0-10 volt.

Digital input: 4 in, ground detection.

Engine input: ACC

CANBus: 1 channel

Serial Port: 2 ports, RS232 and RS485
GPS data out, 1 port RS232

Driver Tag: Dallas key reader / Proximity card reader (HID class I) / magnetic card reader

High Speed Counter (HSC): Odometer - 1 port pulse counter (for mileage indication)

ANT connectors: 1 SMA connector for 3V GPS ANT
1 SMA connector for cellular ANT

Communications: Supports iDEN, GSM/GPRS, CDMA-1X, Iridium, Tetra, Wlan and RF modem

Power: 12/24 Vdc (9-30 Vdc) at 65mA in full operational mode

The VDLU is operated from the electrical system of the vehicle. Internal battery operation is applied when power from the vehicle is unavailable

Enclosure: Molded plastic with battery inlet

GPS: Embedded 50 channel GPS receiver

Communication: UDP, TCP, SMS, data over CSD, UDP over RF (embedded Network management)

Regime: management capabilities for RF-based network

