

DSi
mobile



VT101 BLACK BOX

Internal GPS antenna

Internal GSM antenna

LED Indicators



20-pin I/O header
- digital outputs
- digital inputs
- analog input

Affordable Option for GPS Fleet Management

This in-dash telematics unit is designed to serve a wide range of operations-improving functions. Key capabilities of the VT101 are asset tracking and reporting on vehicle use based on travel time/distance, GPS location, and direction of travel. Vehicle starts and stops, GPS connectivity status, input state changes, and device battery can also be monitored.

The VT101 takes advantage of the latest GPS technology, successfully integrating functions not previously found in a single processor. By

combining GPS baseband and microprocessor hardware, this design offers greater reliability while also saving space, reducing components, and improving battery life.

Highlight Features

- Highly integrated subsystems
- Wireless firmware upgrades
- Extensive configuration options
- Quad-band operation
- Space saving unit
- Cost-down design



VT101

Technical Specs

Physical Information

Dimensions: 3"L x 2.5"W x 1"H
Weight: 3 oz.

Environment

Operating: -30°C to 70°C
Storage: -40°C to 85°C
Humidity: 90% non-condensing

Special Features

Wireless firmware updates
Internal antennas

Application Interface

Host protocols:
AT Commands
UDP/API
TCP/API

SIM Card/Interface/I/O

Internal 3V SIM
20-pin I/O header

GPRS Packet Data

GPRS class 12
Mobile station class B
PBCCH support
Coding schemes CS 1 - 4

GSM Functionality

GSM SMS: PDU, MO/MT, Cell Broadcast

GPS/A-GPS Functionality

Autonomous
"Enhanced" Autonomous
Tracking up to 14 satellites
Supported protocols: NMEA
Time to first fix:
30 sec cold start
1 sec hot start
1 Hz navigation fixes

Certifications (Pending)

FCC, GCF, PTCRB, Industry Canada, CE Mark and RTTE,
RoHS Compliant

Quad Band Operation

850/900/1800/1900 MHz bands

Output Power

Class 4 (2W) for GSM850/EGSM900
Class 1 (1 W) for GSM 1800/GSM 1900

Specifications subject to change without notice

