

# VOLT

## Telematics for Vehicles, Machinery & Trailers

Installation in  
**15 min**

### Stay in control with syniotec telematics

Complete overview of your fleet, tools and attachments  
- anytime, anywhere.



#### Live GPS Tracking

Always know where your equipment is



#### Global Network Coverage

LTE CAT M1/NB2 with 2G Fallback



#### Tracking of Operating Hours

Automatically document operating hours and idle times



#### Bluetooth®

Bluetooth®: BLE 5.0-Tracking for beacons



#### Waterproof and Weatherproof

Built to withstand weather and harsh conditions



#### Long-life Battery

Lasts up to 4 months without external power

### Suitable for ...



Cars



Trailers



Trucks



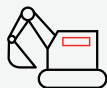
Containers



Attachments



Lifting equipment



Construction machines



Agricultural machines



Medium-sized equipment



Special machines



Tools



Pumps & generators

### Transferred Data

- Real-time location
- Voltage
- Odometer
- Operating hours
- Idle times
- Speed
- Engine status on/off
- Detects nearby BLE beacons
- and more

## Interfaces

Digital Input	1 positive trigger input for ignition detection
Analog Input	1 analog input (0 V - 32 V)
Power Output	1 power output (3.3 V) for external devices
Digital Inputs/Outputs	4 negative trigger inputs for normal use, or 4 open drain outputs 150 mA max drive current
Serial Port	1 RS232 port
GNSS Antenna	internal only
BLE Antenna	internal only
LED Indicators	CEL, GNSS, PWR

## LTE

Operating Band	Cat M1: LTE-FDD: B1/B2/B3/B4/B5/ B8/B12/B13/B18/B19/B20/ B25/B26/B27/B28/B66/B85 Cat NB2: LTE-FDD: B1/B2/B3/B4/B5/ B8/B12/B13/B18/B19/B20/ B25/B28/B66/B71/B85
Data Transmission	eMTC (DL) 588 Kbps eMTC (UL) 1119 Kbps NB2 (DL) 127 Kbps NB2 (UL) 158.5 Kbps NB1 (DL) 32 Kbps NB1 (UL) 70 Kbps

## EGPRS

Frequency	EGPRS 850 / 900 / 1800 / 1900 MHz
Data Transmission	eGPRS: (DL) 107 Kbps, (UL) 85.6 Kbps EDGE: (DL) 296 Kbps, (UL) 236.8 Kbps

## GNSS



GNSS-Chipset	u-blox All-in-One GNSS receiver
GNSS-System	GPS, Glonass, Beidou, Galileo
Sensitivity	Cold start: -148 dBm Hot start: -160 dBm Tracking: -167 dBm
Position Accuracy (CEP)	Autonomous: < 2 m
TTFFe (Open Sky)	Cold start: Ø 24 s Warm start: Ø 21 s Hot start: Ø 1 s

# syniotec VOLT

Telematics for Vehicles,  
Machinery & Trailers



## General Specifications

Operating Voltage	8 V to 32 V DC
Backup Battery	2 x 18650 Li-ion battery 3.7 V, 5800 mAh
Temperature	Operating: -30 °C to +80 °C Charging: +10 °C to +45 °C
Weight	320 g
Dimensions (LxWxH)	138 x 66 x 38 mm
Waterproof	IP67
Certifications	CE  FCC 

Get started with smart  
machine digitization now!

[syniotec.com](https://syniotec.com)

