

EDGE

Telematics for Construction Machinery

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/NB1 with 2G fallback



Tracking of Operating Hours

Automatically document operating hours and idle times



Odometer

Automatically tracks driven kilometers



Waterproof and Weatherproof

Built to withstand weather and harsh conditions



Energy-efficient Operation

No battery discharge when ignition is off

Suitable for ...



Cars



Trailers



Trucks



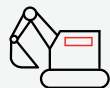
Containers



Attachments



Lifting equipment



Construction machines



Agricultural machines



Medium-sized equipment



Special machines



Tools



Pumps & generators

Transferred Data

- Real-time location
- Odometer
- Operating hours & idle times
- Engine status on/off
- Voltage
- and more

Interfaces

Digital Input	2 digital inputs including: 1 positive trigger for ignition detection 1 negative trigger for normal use
Digital Output	1 digital output, Open Drain, 150 mA max.
Latched Digital Output	1 digital output with internal latch circuit, Open Drain, max. 150 mA switching current
Serial Port	1 serial RS232 port
GPS Antenna	internal only
LTE Antenna	internal only
LED Indicator	CEL, GNSS, PWR

Cellular

LTE

Operating Band	Cat M1/Cat NB1: LTE-FDD: B1/ B2/ B3/ B4/ B5/ B8/ B12/ B13/ B18/ B19/ B20/ B25/ B28
Data Transmission	eMTC (DL) 375 Kbps eMTC (UL) 375 Kbps NB1 (DL) 32 Kbps NB1 (UL) 70 Kbps

EGPRS

Frequency	EGPRS 850 / 900 / 1800 / 1900 MHz
Data Transmission	GPRS and EDGE multi-slot class 33 (33 by default)

GNSS

GNSS-Chipset	u-blox All-in-One GNSS receiver
Sensitivity	Autonomous: -147 dBm Hot start: -156 dBm Reacquisition: -160 dBm Tracking: -162 dBm
Position Accuracy (CEP)	Autonomous: < 2.5 m
TTFB (Open Sky)	Cold start: Ø 27 s Warm start: Ø 27 s Hot start: Ø 1 s

syniotec EDGE

Telematics for Construction
Machinery



General Specifications

Operating Voltage	8 V to 32 V DC
Backup Battery	Li-Polymer 700 mAh
Temperature	Operating: -30 °C to +80 °C Storage: -40 °C to +80 °C
Weight	110 g
Dimensions (LxWxH)	102 × 46 × 20.5 mm
Waterproof	IP67
Certifications	CE RoHS FC

Get started with smart
machine digitization now!

syniotec.com

