

OBDII SERIES

BP304NA

LTE Cat-M1 Tracker

Robust next generation OBD telematics for global connected car and enterprise fleet applications. The BP304NA plugs into any OBDII port (or installs wired / via 12V cigarette lighter) for built-in vehicle diagnostics, driver monitoring, and global LTE Cat-M1 connectivity.



LTE Cat-M1

OBD / Wired / 12V

BLE Low Energy

20K Msg Buffer

KEY FEATURES

- ✓ Flexible installation (OBD / wired / 12V)
- ✓ Built-in vehicle diagnostics
- ✓ Driver monitoring
- ✓ Battery assurance
- ✓ Remote safety lockout
- ✓ Gateway & tag ecosystem
- ✓ Bluetooth Low Energy (BLE)
- ✓ Triple-axis gyroscope & accelerometer
- ✓ Edge intelligence (PEG)
- ✓ 32 built-in geo-fences
- ✓ 20,000 buffered messages
- ✓ Global LTE Cat-M1 coverage

APPLICATIONS

Enterprise Fleet Tracking

Global Connected Car Applications

Vehicle Diagnostics & DTC Monitoring

Driver Behavior & Performance Monitoring

Remote Safety Lockout & Stolen Vehicle Recovery

Cargo & Tag Ecosystem Integration

BP304NA — Full Technical Specifications

NETWORK / OPERATING BAND

LTE Cat-M1	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19 /B20/B25/B28/B39 MHz
GSM/GPRS	850 / 900 / 1800 / 1900 MHz
Protocol	SMS, UDP, TCP, TLS, CalAmp Telematics Cloud API

OBD-II INTERFACE

Protocols (Legacy)	J1850 PWM, J1850 VPW, ISO-9141-2
Protocols (CAN-based)	ISO-14230 KWP2000, ISO-15765 CAN, SW-CAN
Detection	Automatic vehicle interface detection
Extraction	Standard OBD-II + manufacturer codes
Scripts	Vehicle-specific diagnostic scripts

INTERFACES & SENSORS

Serial Port	Micro-USB 2.0
Bluetooth	BLE (Bluetooth Low Energy)
GPS Antenna	Internal
Cell Antenna	Internal
BLE Antenna	Internal
Status LEDs	Dual-color programmable (OBD, cellular, GPS)
Accelerometer	Triple-axis — impact, motion sense
Gyroscope	Triple-axis
Geo-fences	32 built-in
Buffer	20,000 messages

GNSS SPECIFICATIONS

Constellation	GPS + GLONASS + SBAS (WAAS, EGNOS, MSAS)
Channels	55 channel
Tracking Sens.	-167 dBm
Acq. Hot Start	-157 dBm
Acq. Cold Start	-148 dBm
Accuracy CEP	~2.5 m open sky
Update Rate	Up to 5 Hz
AGPS	Yes

POWER & PHYSICAL

Deep Sleep	675 μ A @ 12V
Sleep (active)	2 mA @ 12V
Active Track	60 mA @ 12V
Weight	72 g (2.54 oz)
Dimensions	48 × 63.25 × 29 mm (1.88" × 2.50" × 1.14")
Backup Battery	Lithium-Ion 180 mAh
Operating Voltage	9V – 30V DC
Operating Temp.	-30°C to +60°C (-22°F to +140°F)
Connector	OBDII / Wired / Cigarette Lighter
SIM	External SIM

CERTIFICATIONS

FCC IC CE PTCRB RCM