

OBDII SERIES

BP304G

LTE Cat-1 Tracker

Robust OBD telematics with built-in vehicle diagnostics for enterprise fleet applications. The BP304G plugs directly into the OBD-II port, reports over LTE Cat-1, and pairs driver monitoring, remote safety lockout, and edge intelligence with a full BLE gateway & tag ecosystem.



LTE Cat-1

Plug-In OBD-II

BLE Low Energy

Vehicle Diagnostics

KEY FEATURES

- ✓ Flexible OBD-II installation, no wiring required
- ✓ Built-in vehicle diagnostics
- ✓ Driver monitoring
- ✓ Battery assurance
- ✓ Remote safety lockout
- ✓ Gateway & tag ecosystem support
- ✓ Bluetooth Low Energy connectivity
- ✓ Integrated buzzer for audible alerts
- ✓ Triple-axis gyroscope & accelerometer
- ✓ Edge intelligence (PEG)
- ✓ 32 built-in geo-fences
- ✓ 20,000-message buffered storage

APPLICATIONS

Enterprise Fleet Tracking

Vehicle Diagnostics & DTC Monitoring

Driver Behavior & Performance Monitoring

Remote Safety Lockout & Stolen Vehicle Recovery

Cargo & Tag Ecosystem Integration

Edge Intelligence Applications

BP304G — Full Technical Specifications

NETWORK & CONNECTIVITY

LTE Cat-1 (NA I)	700 (B12) / 850 (B5) / AWS 1700 (B4) / 1900 (B2) MHz
HSPA/UMTS (NA I)	850 (V) / 1900 (II) MHz
LTE Cat-1 (NA II)	850 / 900 / 1800 / 1900 MHz
Protocol	SMS, UDP, TCP, TLS

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)	~2.0 m open sky
Update Rate	Up to 5 Hz
AGPS	Yes

POWER & PHYSICAL

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 Port
SIM	Internal 4FF SIM

OBD-II INTERFACE

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

POWER CONSUMPTION

Deep Sleep	500 µA @ 12V
Sleep (Active)	2 mA @ 12V
Active Track	70 mA @ 12V

INTERFACES & SENSORS

Serial Port	USB serial interface
Bluetooth	BLE (Bluetooth Low Energy)
GPS Antenna	Internal
Cell Antenna	Internal
BLE Antenna	Internal
Status LEDs	Dual-color programmable (OBD, cellular, GPS)
Buzzer	Integrated — audible alert applications
Gyroscope	Triple-axis — tilt, yaw, roll detection
Accelerometer	Triple-axis — impact, motion sense
Geo-fences	32 built-in
Buffer	20,000 messages

CERTIFICATIONS

FCC

IC

PTCRB