

OBDII SERIES

BP304C4

LTE Cat-4 Wi-Fi Tracker

Robust next generation OBD Wi-Fi telematics for connected car and enterprise fleet applications.



LTE Cat-4

Wi-Fi 2.4 & 5 GHz

OBDII / Wired / 12V

BLE 4.2

KEY FEATURES

- ✓ Flexible installation — OBD, wired, or 12V
- ✓ Built-in vehicle diagnostics
- ✓ Driver monitoring
- ✓ Wi-Fi hotspot (2.4 & 5 GHz)
- ✓ Battery assurance monitoring
- ✓ Remote safety lockout
- ✓ Gateway & tag ecosystem support
- ✓ Bluetooth LE 4.2 connectivity
- ✓ Integrated audible buzzer
- ✓ Triple-axis gyroscope & accelerometer
- ✓ Edge intelligence (PEG + EdgeApp SDK)
- ✓ Geo-fences — 32 standard + 4K expanded

APPLICATIONS

Enterprise Fleet Tracking

Connected Car Applications

Vehicle Diagnostics & DTC Monitoring

Driver Behavior & Performance Monitoring

Wi-Fi Hotspot For Drivers

Remote Safety Lockout & Stolen Vehicle Recovery

Cargo & Tag Ecosystem Integration

BP304C4 — Full Technical Specifications

NETWORK / OPERATING BAND

LTE Cat-4 (NA I)	700 (B12) / 850 (B5) / AWS 1700 (B4) / 1900 (B2) MHz
HSPA/UMTS	850 (V) / 1900 (II) MHz
Wi-Fi	802.11 a/b/g/n/ac — 2.4 GHz & 5 GHz
Protocol	SMS, UDP, Wi-Fi, TCP, TLS

GNSS SPECIFICATIONS

Constellation	GPS + GLONASS + SBAS (WAAS, EGNOS, MSAS)
Channels	55 channel
Tracking Sensitivity	-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 / Wired / Cigarette Lighter
SIM	Internal 2FF SIM

POWER

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

OBD-II INTERFACE

Protocols (Legacy)	J1850 PWM, J1850 VPW, ISO-9141-2
Protocols (CAN)	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 B Type
Wi-Fi Ant.	Internal — 2.4 GHz & 5 GHz
Cell Antenna	Main and Diversity
BLE Antenna	Internal
BLE	BLE 4.2
Status LEDs	Dual-color programmable (OBD, cellular, GPS)
Analog Inputs	2 external ADC inputs
Buzzer	Integrated — audible alert applications
Accelerometer	3-axis — impact, motion sense
Gyroscope	3-axis — pitch, yaw, roll
Geo-fences	32 general / >4K expanded
Buffer	20,000 messages

CERTIFICATIONS

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