

OBDII SERIES

BP59

OBDII Plug-In Tracker

An LTE Cat-4 / 3G / 2G easy-install OBDII plug-in tracker built for light- and heavy-duty vehicles. The BP59 is ELD ready, shares a Wi-Fi hotspot for drivers, and reads both light- and heavy-duty vehicle data over its OBDII connector.



4G

ELD

Wi-Fi

Weight	73.0 g (2.6 oz)	Dimensions	52.8 × 47.8 × 24.8 mm (2.08" × 1.88" × 0.98")
Backup Battery	Li-Polymer 100 mAh / 3.7V	Operating Temp	-30°C to +80°C (-22°F to +176°F)
Storage Temp	-40°C to +85°C (-40°F to +185°F)	GNSS Accuracy	< 2 m (< 6.6 ft) CEP
Operating Voltage	7V – 32V DC	SIM	Nano SIM

KEY FEATURES

- ✓ ELD ready
- ✓ Wi-Fi hotspot sharing
- ✓ Light & heavy vehicle data reading
- ✓ Firmware over the air
- ✓ Built-in buzzer for driver coaching
- ✓ Global bands supported
- ✓ Driving behavior monitoring
- ✓ Crash detection
- ✓ Bluetooth LE 4.1
- ✓ Towing alarm
- ✓ Network jamming detection
- ✓ Data roaming control

APPLICATIONS

Light-Duty Vehicle Fleet Management

Heavy-Duty Asset Tracking

ELD Compliance

Driver Behavior Monitoring & Coaching

Wi-Fi Hotspot Sharing for Drivers

Vehicle Diagnostics & DTC Monitoring

BP59 — Full Technical Specifications

GNSS SPECIFICATIONS

Chipset	Qualcomm Gen 8C GNSS
GNSS System	GPS + Glonass + Beidou
Receiver	33 tracking / 99 acquisitions
Cold TTFF	< 29 s
Warm TTFF	< 27 s
Hot TTFF	< 1 s
Sensitivity	Acq -149 / Trk -163 dBm
Position CEP	< 2 m (< 6.6 ft)

NETWORK / OPERATING BAND

LTE FDD Cat 4	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/ B19/B20/B25/B26/B28/B66
LTE TDD Cat 4	B34/B38/B39/B40/B41
WCDMA	B1/B2/B4/B5/B6/B8/B19
GSM/EDGE	850 / 900 / 1800 / 1900 MHz
LTE DL/UL	150 / 50 Mbps
HSPA+ DL/UL	42 / 5.76 Mbps
GPRS DL/UL	85.6 / 85.6 Kbps

WI-FI HOTSPOT

Band	2.4 GHz & 5 GHz (802.11b/g/n/ac)
Max Rate	Up to 433 Mbps (802.11ac HT80)
Tx Power	8-18 dBm depending on mode

INTERFACES

Connector	OBDII
SIM Slot	Nano SIM
Antenna	Internal LTE / GNSS / Wi-Fi / BLE
Indicator LED	Network, GNSS, Wi-Fi, Diagnostic
USB	Configuration, upgrade and debug
Buzzer	Event-triggered driver coaching
BLE 4.1	Yes — accessory support

PROTOCOL & ALERTS

FOTA	Yes
Protocol	TCP, UDP, MQTT, SMS
Encryption	MD5 / AES128
OBDII Data	Yes — read and erase DTC
Ext. Power	Alert on disconnect
Low Power	Alert on backup battery low
Jamming	Network signal jamming detection
Crash	Accident data collection & analysis

CERTIFICATIONS (PLANNED)

FCC	IC	CE	RCM	PTCRB	AT&T
US Cellular	T-Mobile	Verizon	TDRA		
NBTC	CITC	Anatel			