

OBDII SERIES

BP52/55 OBDII Plug-In

LTE Cat-M1 / Cat-NB1 OBDII Tracker

Easy-install OBDII tracking for insurance, car leasing, and real-time monitoring. Plugs directly into the vehicle's OBDII port over LTE Cat-M1 / Cat-NB1, with crash detection, driving behavior monitoring, and a towing alarm built in. BP55 adds CAN data reading (ISO 15765-4, SAE J1939); BP52 is the standard, non-CAN version.



LTE Cat-M1 / Cat-NB1

Plug & Play OBDII

BLE 5.0

CAN Data Reading (BP55)

KEY FEATURES

- ✓ Compact, plug-and-play OBDII form factor
- ✓ CAN data reading — ISO 15765-4, SAE J1939 (BP55)
- ✓ Firmware over the air
- ✓ Inbuilt buzzer for harsh-event alerts
- ✓ Global cellular bands supported
- ✓ Driving behavior monitoring
- ✓ Crash detection
- ✓ Bluetooth LE 5.0
- ✓ Towing alarm
- ✓ Network jamming detection
- ✓ Data roaming control

APPLICATIONS

Insurance Telematics

Car Leasing & Rental

Real-Time Vehicle Monitoring

Fleet & Driver Behavior Monitoring

BP52/55 OBDII Plug-In — Full Technical Specifications

GNSS SPECIFICATIONS	
Chipset	MediaTek High Gain GNSS
Parallel GNSS	GPS + Glonass or GPS + Beidou
Receiver	33 tracking / 99 acquisitions
Cold TTFF	< 15 s (32 s without EASY)
Warm TTFF	< 8 s (28 s without EASY)
Hot TTFF	< 1 s
Sensitivity	Acq -149 / Trk -167 / Reacq -161 dBm
Position CEP	< 2.5 m (< 8.2 ft)

MODELS	
BP52	Standard — no CAN data reading
BP55	CAN data reading (ISO 15765-4, SAE J1939)

NETWORK / OPERATING BAND	
LTE FDD Cat M1	B1-B5/B8/B12/B13/B18-B20/B25-B28/B66/B85
LTE FDD Cat NB2	B1-B5/B8/B12/B13/B18-B20/B25/B28/B66/B71/B85
GSM/EDGE	850 / 900 / 1800 / 1900 MHz
eMTC DL/UL	588 / 1119 Kbps
NB1 DL/UL	32 / 70 Kbps

INTERFACES & PROTOCOL	
Connector	OBDII
SIM Slot	Nano SIM
Antenna	Internal LTE / GNSS / BLE
Indicator LED	Network, Diagnostics (BP55 only), GNSS
USB	Debug port
Buzzer	Event-triggered alerts
FOTA	Yes
Protocol	TCP, UDP, MQTT, SMS
Encryption	MD5 / AES256
Geo-fence	Up to 64 regions
Ext. Power	Alert on disconnect
Low Power	Alert on backup battery low

POWER & PHYSICAL	
Weight	48 g (1.7 oz)
Dimensions	47.8 × 47.6 × 19.8 mm (1.9" × 1.9" × 0.8")
Backup Battery	200 mAh / 3.7V Li-Po
Operating Voltage	7V – 32V DC
Operating Temp.	-30°C to +80°C (-22°F to +176°F)

CERTIFICATIONS

FCC

IC

CE

RCM

PTCRB

AT&T

US Cellular

Verizon

T-Mobile