

PNP-3200 GPS Tracking Device

Ideal use-case for this device: Light-Duty Vehicles



The PNP-3200 tracking device connects directly into a vehicle's OBD-II port (no installation required) and comes equipped with a buzzer for real-time in-cab alerts for rapid acceleration, harsh braking, hard right and left turning events, and idling. This device optionally reports engine diagnostics.

Key Features

- DTC notifications
- High sensitivity GPS (-162 dBm)
- OBD-II connector and interface
- Built-in cellular and GPS antenna, and 4FF SIM card
- Voltage monitoring and low battery notification
- Embedded hardware security module for cryptographic security
- 3-axis accelerometer for harsh braking, cornering, and acceleration reporting options

Options

- Backup battery available
- Real-time in-cab driver notifications
- OBD-II bypass cable for concealed connection
- OBD-II extender cable

PNP-3200 Specifications

GPS

Location Technology	GNSS
Enhancement Technology	Hybrid GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS)
Receiver Type	55 channels (with SBAS)
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-157 dBm (hot start) -148 dBm (cold start)
Location Accuracy	2.0m CEP Open Sky (GPS SBAS 24 hours static)
Location Update Rate	Up to 5 Hz
AGPS capable	

CELLULAR

Data Support	SMS, UDP Packet Data, TCP, TLS
Operating Bands (MHz) North American Variant I:	
LTE Cat M1	1900 (B2)/AWS 1700 (B4)/850 (B5)/ 700 (B12) MHz
HSPA/UMTS	850(V)/1900(II) MHz
Operating Bands (MHz) North American Variant II:	
LTE Cat M1	AWS 1700 (B4)/700 (B13) MHz

COMPREHENSIVE I/O

OBD-II Interface	J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230 KWP 2000, ISO-15765 CAN, SW-CAN
Serial Port	USB Serial Interface
Bluetooth	Bluetooth Low Energy (BLE)
Status LEDs	Programmable dual color (OBD, cellular, GPS)
Buzzer	Integrated buzzer for audible alert applications
Sensors	Gyroscope: Triple-axis, tilt, yaw, roll detection; Accelerometer: Triple-axis, impact, motion sense

CERTIFICATIONS

Fully certified FCC, CE, IC, PTCRB, Applicable Carriers

ELECTRICAL

Operating Voltage	12-24 VDC Vehicle Systems; 9-30 VDC (start up, operating); 7-32 VDC (momentary)
Power Consumption	Typical 500 uA @ 12V (deep sleep); Typical 2 mA @ 12V (sleep on active network); Typical 70 mA @ 12V (active tracking with GPS and cell enabled)

ENVIRONMENTAL

Temperature	-30° to +60° C (connected to primary power); -100° to +60° C (internal battery) -20° to +25° C ~6mo (long term storage)
Humidity	85%R.H. at 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G; 810F; SAE J1455
ESD	IEC 61000-4-2 (4KV Test)

BATTERY

Capacity	180 mAh
Technology	Lithium-ion
Charging Temperature	0° to +45°C
Certifications	IEEE 1725-2011; EL 1624; UN 38.3

PHYSICAL

Dimensions	1.88" x 2.5" x 1.14" (48 x 64 x 29 mm)
Weight	0.15 lbs (68 g)

MOUNTING

Built-in OBD-II connector
Self-adhesive mounting with OBD-II bypass cable