

Cellular Telematics Device



The Pacific Track PT40 is a full-featured telematics device engineered with the latest cellular technology to meet both advanced and basic telematics needs.

ADVANCED

The PT40 is ideal for sophisticated telematics applications that require engine data and/or connection to external devices and sensors via inputs, outputs and serial communication.

SMART

Pacific Track's patented *Visual Telematics eXperience* (VTX) device configuration platform allows resellers to easily create and manage (over-the-air) device-based event-driven actions to provide customers with optimized telematics functionality.

BASIC

The PT40 can also be installed as a 2- or 3-wire tracker. Users can still benefit from the device's event-driven actions engine.

OPEN ENVIRONMENT

Send telematics data directly to your own platform. Optionally use our APIs to integrate Pacific Track device management data into your ecosystem.

SUPPORT

The PT40 is supported by Pacific Track's robust device management platform and its responsive US-based team.

FEATURES

- ✓ Cellular LTE CAT-M1/NB
- ✓ Integrated GPS engine and antenna
- ✓ J1939, J1708/J1587 and OBD-II (CAN) compliant interfaces
- ✓ OTA (Over-The-Air) Firmware Updates
- ✓ Large capacity storage for offline operations
- ✓ Bluetooth Low Energy (BLE) for HOS, etc.
- ✓ 3-axis accelerometer for driving behavior and motion detection
- ✓ Battery backup

SPECIFICATIONS

INTERFACE

- Molex Microfit 3.0™ 10x2 pins
- Three status LEDs

CELLULAR

- LTE CAT-M1 and CAT-NB
- Supports LTE bands 1, 2, 3, 4, 5, 8, 12, 13, 17, 19, 20, 25, 26, 28 and 39
- Integrated antenna

GPS

- 72-channel GPS engine
- High performance ceramic patch antenna
- Sensitivity
 - Tracking: -161 dBm
 - Cold/warm start: -148 dBm

STORAGE

- Reliable file system with wear-leveling and journaling
- Store >50,000 events

BLUETOOTH

- Bluetooth 5 compliant (Low Energy)
- Integrated antenna

CAN (J1939 and OBD-II)

- Compatible with 250 and 500 kbps systems
- Protected against ground and battery shorts
- ESD protected up to ± 14 kV

J1708/J1587

- Standard compliant interface

ELECTRICAL

- Operating voltage 6V to 32V
- Over-voltage and over-current protected

INPUT/OUTPUT

- 4 inputs (up to 32V)
- 2 open-drain outputs
- 1-Wire™ interface for identification buttons or temperature
- USB-C port for HOS tethering and device provisioning
- UART TX/RX

DIMENSIONS

- 85 mm x 65 mm x 20 mm

ENVIRONMENTAL

- Operating temperature: -40°C to +65°C
- Storage temperature: -40°C to +85°C
- Operating humidity: 20% to 90% (non-condensing)

CERTIFICATIONS

- FCC
- ISED (Canada)
- PTCRB
- AT&T
- Verizon

About Pacific Track

Pacific Track develops highly reliable and cost-effective automotive aftermarket telematics solutions with Internet of Things (IoT) device connectivity. The principals of Pacific Track have deep experience designing high volume communication products and telematics devices, cloud-based services, and cellular operator applications. Pacific Track focuses on delivering innovative end-to-end solutions addressing customer needs from devices to cloud services.

For more information, contact sales@pacifictrack.com

V1.5 - Specifications subject to change