Vehicle Tracking Beacon
Nero 6601

Commercial Vehicle Productivity and Security

The 6601 is a versatile and economical GPS tracking beacon designed for fleet management needs in commercial vehicles which support a J1939 engine diagnostics port. The beacon forms the on-board recording portion of Nero's compliant Electronic Logging Device (ELD) solution for Hours of Service (HOS) and Driver-Vehicle Inspection Report (DVIR) logging, by supplying all required data via Bluetooth to the ELD display.

Combined with our commercial mobile monitoring portal, subscribers can manage and view the location of any or all vehicles in a fleet, run a variety of valuable reports, and even manage vehicle maintenance alerts.

Features and Benefits

Real-time location	View location on a map in real-time for dispatch and vehicle recovery, or track at specified time intervals
Route logs	Archive records of vehicle movements
Ignition on/off	Know when the vehicle engine is on or off for maintenance and productivity reports
Start and stop movement	Determine actual arrival and departure times
Circular and Polygon zone notifications	Receive notifications upon entering or exiting circular or polygon geofences
Power cut notification	Receive notifications when the primary power source is removed
Arm where parked	Automatically establish a secure perimeter around vehicle wherever it is parked
Speed notifications	Manage speed by receiving notifications when set speed thresholds or posted speed limits are crossed
Speed in zone	Receive notifications for excessive speed detected within predefined geofences
Idle report and notification	Help eliminate fuel wastage by knowing when a vehicle engine was on but the vehicle was not utilized
Driver Behavior	Generate events for harsh acceleration, braking and cornering, as well as potential accidents

Optional Add-ons

Driver ID	Identify the current vehicle operator using an electronic token
Temperature sensor	Connect an external sensor to monitor and report cargo temperatures
4 Auxiliary system monitoring inputs	Remotely monitor any system that can indicate its status via a voltage change
1 Output configured as toggle or pulse	Remotely control vehicle functions such as door unlock, ignition disable, etc.
Dispatch & Navigation	Send jobs and messages to drivers via personal navigation device and view responses in real-time

Specifications

Location Technology
- Receiver: 72 Channel, GPS/GLONASS
- Horizontal accuracy 2.0M CEP

Wireless
- HSPA (3G) Network
- Freq: 800/850/900/1900/2100 MHz

Bluetooth (for ELD connectivity)
- Dual Mode 4.0
- Classic and Low Energy

Antennas
- Combined internal GPS/Cell Network

Power Source
- Voltage range: 8 to 30 VDC
- Primary source: Vehicle battery
- Secondary source: Backup battery

Current Draw
- Operating: <100 mA

Mechanical/Environmental
- Rugged plastic enclosure
- Operating temperature range: -4 to +149°F (-20 to +65°C)
- Storage: -40 to +185°F (-40 to +85°C)
- Humidity: 5 to 95% non-condensing
- Shock and Vibration: SAE J1455
- Size: 3.7 x 3.0 x 0.8 in (95 X 75 X 19 mm)

Applications of GPS Fleet Management

- improve productivity of mobile staff
- improve customer service
- prevent misuse of company resources
- recover stolen or misplaced vehicles
- provide monitored security for drivers
- reduce fuel wastage and maintenance costs