VECIMA

VEHICLE TRACKING BEACONS

Vecima 6581/6681

Commercial Vehicle Productivity and Security

The Vecima 6581 and 6681 are high-performance beacons designed for commercial productivity and security. They are ideally suited to installations in delivery and service fleets as well as public safety, mass transportation, utility, off-road or construction vehicles.

The 6581 is designed for hardwired installation, whereas the 6681 supports ECM data when connected to a J1939 or OBDII diagnostics port in the cab.

Real-time Alerting and Reporting

Feature	Benefit
Single point locate	Pinpoint current location
Continuous tracking	Provides real-time moving location to assist in vehicle recovery
Route logs	Archive records of vehicle movements
Ignition on/off	Know when vehicle engine is on or off for maintenance and productivity reports
Start and stop movement	Determine actual arrival and departure times
Zone notifications	Receive notifications upon entering or exiting zones – up to 5 polygon zones and 5 circular zones monitored simultaneously
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	Receive notifications upon crossing speed thresholds – 2 universal speed thresholds and/or 5 speed threshold within a zone can be set
Backup battery	Provides 2-3 hours of additional service in the event of a primary power cut

Driver Behavior

Feature	Benefit
Harsh acceleration, braking and cornering	Generate events when the vehicle operates beyond user-defined thresholds
Potential accidents	Receive notifications when the beacon detects a possible accident
Posted speeds	Receive notifications when the vehicle exceeds the posted speed limit at its current location
Driver ID	Identify the current vehicle operator using an electronic token

Optional Add-ons

Feature	Benefit
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: 50 Channel L1 C/A Code, WAAS/SBAS, SPS
- GPS Protocol: NMEA

Wireless
- LTE (4G) Network
- Freq: B2(1900), B4(AWS), B5(850), B17(700)

Antennas
- Combined GPS/Cell Network

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

Current Draw
- Operating: <100 mA
- Ignition off: 70 mA

Mechanical/Environmental
- 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: Compliant with SAE J1455
- Size: 4.1 x 3.7 x 1.1 inches (104 x 93 x 26 mm)
- Housing: Rugged plastic enclosure