

Commercial Vehicle Productivity and Security

The MOSS-GPS-7050 is a high-performance beacon designed for commercial productivity and security. It is ideally suited to hardwired installations in delivery and service fleets as well as public safety, mass transportation, utility, off-road or construction vehicles.

Real-time Alerting and Reporting

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
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
Backup battery	Provides 2-3 hours of additional service in the event of a primary power cut

Driver Behavior

Harsh acceleration and braking	Generate events when the vehicle operates beyond user-defined thresholds
Crash detection	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 (optional)

Optional Add-ons

1 Digital output	Remotely control vehicle functions such as door unlock, ignition disable, or turn accessories on and off
1 Auxiliary system monitoring input	Remotely monitor any system that can indicate its status via voltage change



Specifications

Location Technology

- Receiver: 33 channels
- Sensitivity: -162 dBm
- Accuracy: <2.5m
- GPS Protocols: NMEA, GGA, GGL, GSA, GSV, RMC, VTG

Wireless

- LTE (CAT M1)
- Freq: LTE FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B27/B28/B66/B85

Antenna

- Internal (Cell/GPS combined)

Power Source

- Voltage range: 8 to 32 VDC
- Primary source: Vehicle battery
- Secondary source: Backup battery

Current Draw

- Operating: 44mA
- Ignition off: approx. 10mA

Mechanical Environmental

- Operating temperature range: -22 to +176°F (-30 to +80°C)
- Storage: -40 to +176°F (-40 to +80°C)
- Humidity: 5 to 95% non-condensing
- Size: 3.4 x 2.2 x 0.5 inches (87 x 55 x 13 mm)
- Housing: Rugged plastic enclosure