

# Morey MC-3 Product Series

Powered Asset Telematics

## ADVANTAGES

### WORLDWIDE REACH

- PTCRB, AT&T, T-Mobile, Verizon & Sprint  
GSM 2G/3G, CDMA 2G/3G
- LTE Ready
- Satellite Communications: Iridium
- Bluetooth Ready

### FULLY DEPLOYABLE PLATFORM

- Plug & Play Deployment
- Device Communications: UDP, SMS
- Over-the-Air-Programming and Provisioning (OTA)
- Connect to sensors via digital I/O or Analog input
- Customize device operation via scripting

### RUGGED & RELIABLE

- Industry Leading Warranty Options
- Field Installation and System Support
- J1455 Level 1 Pressure Wash
- FM Class 1, Div 2 Non-incendiary
- IP67

### ROBUST VEHICLE/MACHINE

#### INTERFACE CAPABILITIES

- Interfaces to most light/med/heavy vehicles  
(1996 or later)
- Class I-VIII vehicles
- 12V & 24V power systems
- Customizable Interconnect Cables & Harnesses

From the Morey Connect series of telematics devices, the MC-3 and MC-3E enable diagnostic, power and locational communication between your backend systems and your assets. Critical to single or mixed-fleet management efforts, the MC-3 products deliver flexible interface options, ruggedized design and the industry's best warranty extending up to five years.

### MC-3 FOR IN-CAB & UNDER-DASH APPLICATIONS

The MC-3 is ideal for powered assets with an operator cab and/or dashboard display. Utilizing the equipment's integrated cellular and GPS antennas, the MC-3 provides reliable telematics solutions for single or mixed-vehicle fleets.

### MC-3E FOR HEAVY EQUIPMENT WITHOUT CABS

The MC-3E features external GPS and cellular antennas. Its rugged, reliable design enables the MC-3E to provide asset tracking and data transmittal for high-value assets such as generators, compressors and construction equipment.

## MC-3 SPECIFICATIONS

### KEY FEATURES

- Location Determination & Breadcrumbs
- Motion Detection
- Engine State Detection
- User Defined Geo-Fence
- Access to vehicle bus data and DTC
- Automatic event or customizable event reporting
- Vehicle bus or GPS based speedometer
- Idle State
- Scan tool detect
- Last gasp power disconnect

---

### DATA COMMUNICATION

- SMS
- UDP
- Bluetooth

---

### ANTENNAS

- Internal or External Cellular
- Internal or External GPS
- Iridium

---

### GPS DEVICE SPECS

- Position Accuracy: 3m
- Hot Start Acquisition: ~2 secs
- Tracking Sensitivity: -160 dBm
- Acquisition Sensitivity: -146 dBm
- Update Rate: 1Hz

---

### UPDATES & CONFIGURATION

- Over-the-Air Firmware
- Over-the-Air Configuration

---

### ELECTRICAL SPECS

- Operating Voltage: 12V & 24V systems

---

### PHYSICAL SPECS

- Dimensions (Metric): Approx. 15cm x 7.5cm x 2.3cm
- Dimensions (US): Approx. 6" x 3" x 1"
- Weight: 0.6 lbs/0.275 kg

---

### ENVIRONMENTAL SPECS

- Operating Temperature: -40° to 85°C
- Storage Temperature: -40° to 85°C
- Battery load dump protected
- ESD immunity
- EMC/EMI: CISPR 25; Industry Canada
- SAE J1455 Level 1 Pressure Wash
- IP67

### CERTIFICATIONS

- PTCRB
- FCC/IC
- Applicable carriers (CDMA & GSM)
- RoHS compliant
- FM Class 1, Div 2 Non-incendiary

---

### INPUT/OUTPUT

- Digital I/O
  - Analog Input
- Diagnostic Port: Serial Link
- Status LEDs: Red, Amber, Green & Blue
- Twilight Sensor: Dimming LED's

---

### MEMORY

- 30-90 Day Store-Forward Capabilities

---

### VEHICLE INTERFACE

- CAN 250k, 500k
- J1708
- ISO9141-2
- KWP2000
- J1850 VPW & PWM
- Vehicle Protocols
  - J1939
  - J1587
  - OBD II