Sierra Wireless® AirLink Mobility Manager Operations Pack

DIAGNOSTICS AVAILABLE

- Ambient Air Temperature
- Battery voltage
- Brake Fluid Level
- Calculated Load Value
- Diagnostic Trouble Code
- Distance/time since MIL light on
- Engine Coolant Temperature
- Engine RPM
- Engine run time
- Fuel level (°k)
- Fuel Rail Pressure Gauge
- Malfunction Indicator Lamp (MIL)
- Odometer
- Time since engine start
- Total distance
- Vehicle Speed
- VIN

TELEMETRY DASHBOARD

DRIVER BEHAVIOR REPORT

The AirLink® Mobility Manager (AMM) Operations Pack is an optional add-on that bundles Vehicle Telemetry and Asset Manager into a single license for customers with mobile assets, and is available in the enterprise datacenter or in the cloud.

AMM Vehicle Telemetry

Vehicle telemetry enables organizations to monitor the performance and health of their fleet in real-time from any location. Combined with powerful reporting capabilities, the AMM's Telemetry module can help reduce fuel consumption, eliminate unauthorized usage of vehicles and improve driver safety

REDUCE VEHICLE BREAKDOWNS AND PRODUCTIVITY LOSSES

Telemetry continuously collects diagnostics from each vehicle and fleet managers can define policies for data collection, reports and alerts. With this information in hand, fleet managers can perform maintenance on a schedule that effectively addresses issues and maintains warranty status.

MONITOR VEHICLE HEALTH FROM ANY LOCATION

Real-time diagnostic information from vehicles is collected via a cable and scanner connecting the vehicle computer to MG routers and gateways. Combined with GPS and GNSS data from MG devices, users have the ability to analyze current and historical data to determine not only vehicle health but the location where issues occurred. Telemetry enhances the capabilities of the AMM by feeding individual diagnostics to fleet managers for immediate analysis and trend spotting.

REMOTE FLEET MANAGEMENT

Fleet managers can define the parameters they want to monitor, such as detailed information about odometer, coolant temperature, battery voltage, diagnostic trouble codes and fuel levels, and set thresholds for acceptable operating conditions. Telemetry will automatically send email alerts, via the AMM, to single or multiple recipients so action can be taken as needed.

MONITOR DRIVER BEHAVIOR AND REDUCE FUEL CONSUMPTION

Telemetry provides the tools to monitor, analyze and report activities for single or groups of vehicles, or an entire fleet. Users can set idle time limits and view reports that show the time and location of excessive idling, and limit vehicle usage by zone or time of day.

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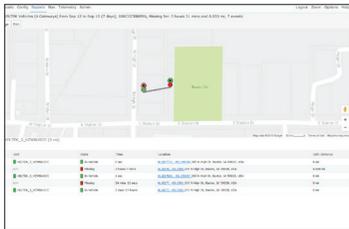
FUEL CONSUMPTION REPORT

VEHICLE HOURS REPORTING

ASSET MANAGEMENT DASHBOARD

ASSET HISTORY REPORT

ASSET TAG SPECIFICATIONS

- OUTDOOR RANGE Up to 600 feet (200ml)
- ENVIRONMENTAL IP-67 rated enclosure
- RADIO 802.11 b/g compliant (2.4GHz); Safe for use in a hospital environment
- INDOOR RANGE Up to 180 feet (60 m)
- TEMPERATURE -30°C to +75°C (-22°F to +161°F)

STANDARDS SUPPORTED

The Telemetry application supports major OBDII protocols on light truck and passenger vehicles, or J 1939/J 1708 protocols on heavy duty vehicles. Additional equipment required to support Telemetry includes; Scan Tool, Custom Serial Cable and 08011 Cable. These accessories are available from Sierra Wireless.

AMM Asset Manager

AMM's Asset Manager enables organizations to monitor high-value mobile assets in real time, reduce equipment loss and theft, improve productivity and lower insurance costs.

ASSET TAGS TO LOCATE HIGH-VALUE ASSETS

Asset tags are active RFID tags that are tracked using the Wi-Fi access point on MG routers and gateways. Wi-Fi tags attached to each high value asset enable users to register their existence and location. If an asset is lost or stolen from a vehicle, users can query the last known location and any vehicle in the fleet that is configured to recognize asset tags will be alerted if the asset comes into range.

Asset tags are available in a variety of form factors, are designed for indoor and outdoor use, and may be fitted with a tamper resistant sensor that reports when the tag is removed. Other options include panic buttons and temperature sensing.

ASSET MANAGEMENT AND MONITORING

Individual assets can be assigned to specific vehicles, avoiding confusion if assets change vehicles. Management and monitoring can be done from any desktop connection, via the AMM, enabling management of both fixed and mobile inventory.

BE ALERTED WHEN EQUIPMENT IS LEFT BEHIND

Once assets have been identified and registered for tracking, policies can then be defined for alerts. Alerts and thresholds can be set up to match business processes. For example, an alert can send an email if an asset is out of the vehicle as the vehicle drives away. Alerts can be sent via email to single or multiple recipients. If dispatchers want to know each and every time an asset is removed from the vehicle, this can be tracked in reports, or by email alerts if required. Alerts also contain map links, so field supervisors can view the location of a missing asset incident on a map via a smart phone.

SEND THE RIGHT EQUIPMENT AT THE RIGHT TIME

In situations where specific equipment is required for a specific response, dispatchers can quickly determine vehicles that have the necessary equipment, and assign them to the job. This enables the right response, every time.