



MOBILE NETWORK MANAGEMENT

OVERVIEW

The onBoard Mobility Manager is a network management system that collects and analyzes data from In Motion's onBoard Mobile Gateways (oMGs). Available as a hosted service or separate appliance, the onBoard Mobility Manager lets you manage your entire mobile network just as you would your corporate network.

The onBoard Mobility Manager performs all standard network management functions, including fault management, configuration, statistics, performance and security. Real-time vehicle location and the status of the mobile network are captured, including data volume transmitted.

APPLICATIONS

onBoard TRACKER

- Track the location of your vehicles and communications assets
- Know when vehicles leave their designated areas or return to depot
- Monitor your fleet in real time from any location
- See the data you want, the way you want it

onBoard ASSET MANAGER

- Know location of high value assets in the field
- Management and monitoring enables you to associate assets with vehicles or crews
- Know instantly when equipment has been left behind
- Send the right equipment at the right time

onBoard TELEMETRY

- Reduce vehicle breakdowns and productivity losses
- Know the health of vehicles, no matter where they are
- Manage your fleet from anywhere
- Monitor driver behavior and save money

onBoard NAV

- Dispatch voice-guided navigation to drivers
- Eliminate need for laptop
- Broadcast and track receipt of messages to individual vehicles or groups of vehicles

onBoard TOTAL REACH (No charge optional application)

- Address IT issues remotely
- Reach through remotely and securely via an encrypted tunnel to connected laptops and devices to configure, repair, update

Reports

- Gateway Trip Trend
- Gateway Trip
- Trip Replay
- Zone Summary
- Zone Time
- Zone Map

Reports

- Asset Usage
- Asset History
- Vehicle Assets

Reports

- Driving Behavior
- Fuel Consumption
- Vehicle Diagnostics
- Odometer Check
- Unauthorized Usage

KEY FEATURES

Web-based network management system

Hosted service or enterprise appliance

Monitors network health and vehicle GPS location dynamically

Value-add applications for tracking vehicles, vehicle diagnostics, high value assets and providing remote IT support

Sophisticated reporting capabilities

Sends alerts based on user defined thresholds

onBoard™ Mobility Manager

MOBILE NETWORK MANAGEMENT



PLATFORM & USER ACCESS

- Operating System: CentOS 5.7
- Web Browser: Microsoft Internet Explorer 6.0 or higher
Mozilla Firefox 1.5 or higher
- Concurrent Client Users: 10
- Defined Device User Groups: Unlimited

HARDWARE

- Processor: Dual P4 3GHz or equivalent
- 4 GB RAM
- Hard Drive: 350 GB Fast IDE or SCSI
- Networking: Dual 100/1000 Mbps Ethernet
- 48x CDROM
- USB 2.0 (2 ports)

SECURITY

- Standard Linux® integrated firewall based on Iptables
- Login and password protection for access to the onBoard Mobility Manager including the web browser interface
- Remote reach through terminal access to the onBoard Mobility Manager permitted only via SSH
- Intrusion detection

USER INTERFACE-DASHBOARD

- Simple user interface
- User-defined parameters and thresholds
- High level view with ability to "zero-in" to see issues
- Compatible with standard web browsers

FAULT MANAGEMENT

Identify device, network and vehicle problems in real time

- Monitor battery, temperature of gateway
- View vehicle diagnostic data and device status
- Set threshold, and alarms are reported via email

CONFIGURATION MANAGEMENT

Upgrade onBoard Mobile Gateways remotely

- Upgrade software over-the-air to maximize unit hours and reduce need to take vehicles out of service
- Perform configuration in real-time or schedule to minimize field impact
- Eliminate need to dispatch IT support

USER ACCESS

Easily accessed using standard web browsers

- View status information concurrently with multiple users
- Partition network views; different levels of viewing and administration rights can be assigned to each user

PERFORMANCE & STATISTICS

Manage vehicle fleet with up-to-date reporting

- Highlight exceptions with management statistics reports
- Export report data for further analysis
- Graph custom views of selected data
- Graph past and present GPS location of each vehicle or fleet

USER SECURITY

Restrict access to network management information to authorized personnel

- Partition network to enable multiple views, custom access and configuration
- Manage security of network, perform audits and report breaches
- Provision VPNs

CORE onBoard MOBILITY MANAGER REPORTS

- Coverage Trails – view exact path taken, with connectivity changes
- Link Utilization – graphs wide area link usage over time
- Availability Trend Report – shows the percentage of time each vehicle has a connection across the fleet
- Availability Details - shows detailed information about each vehicle's wide area connectivity for a given time period
- Event Viewer – provides query access to raw vehicle event data
- Coverage Maps - shows a 'heat-map' of connectivity

APPLICATION REPORTS

Each application has a comprehensive reporting suite which leverages the combination of oMG and connected device data available. Reports incorporate map and text elements, provide email alerts, and can be scheduled and exported to Excel, such as:

- Trips Report - Historical location reporting showing color-coded speed on a map with a list of stops and speeding incident
- Client History Report - History of each LAN client including data usage, session duration and usage location.
- Unauthorized Usage Report - Define times and areas vehicle use is permitted, monitor GPS distance against odometer
- Asset History Report - View the movements of tagged assets, including travel in multiple vehicles over time



MOBILE MANAGEMENT

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