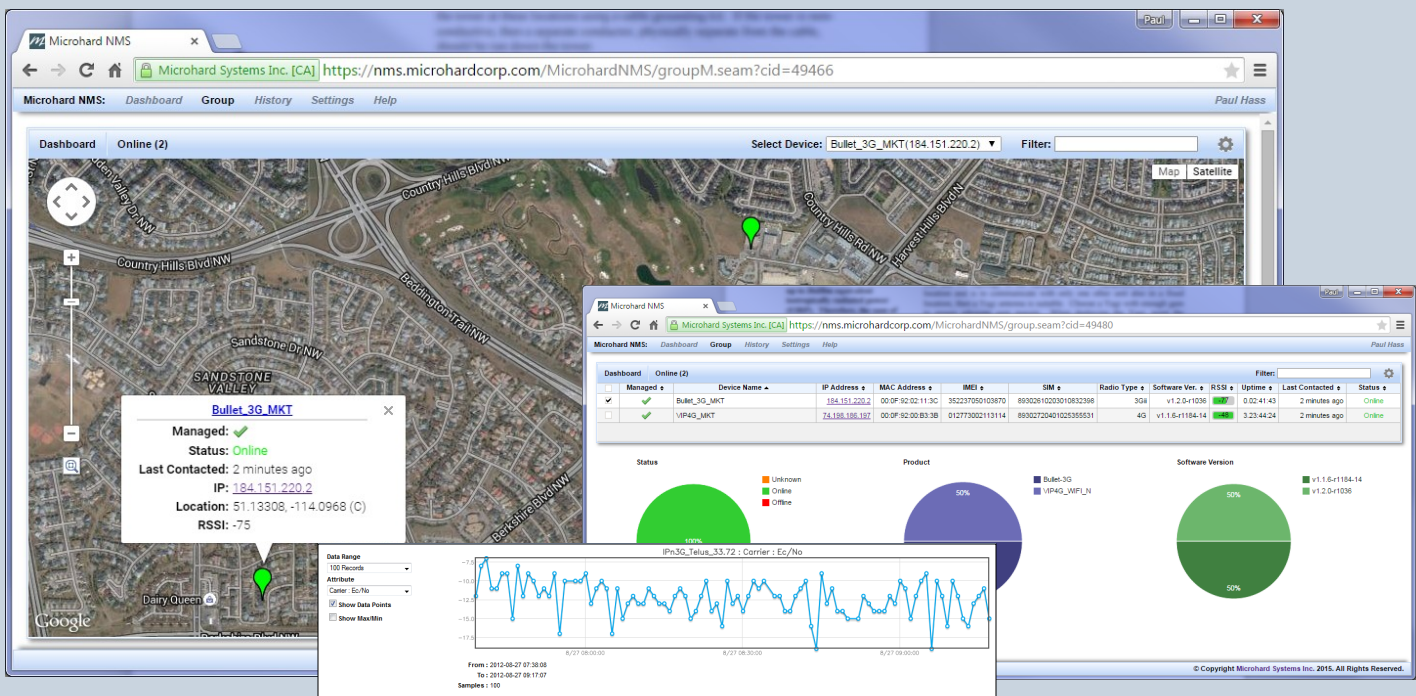


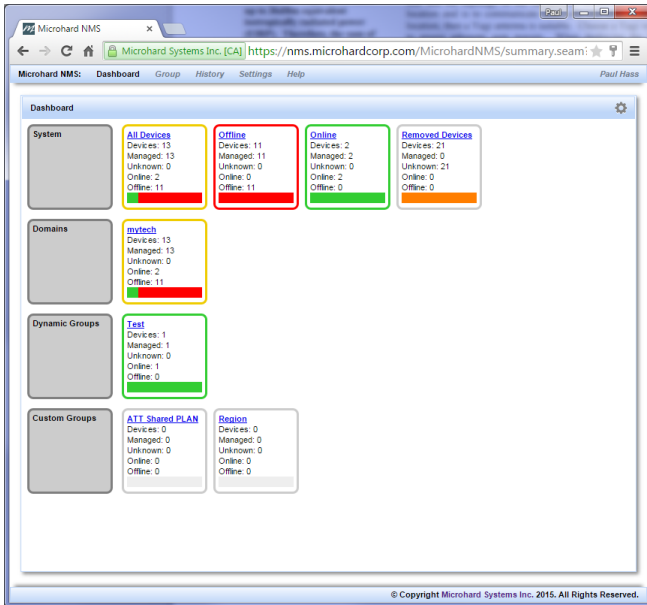
Microhard NMS (Network Management Software) is a powerful server based application that allows multiple users to graphically, monitor, troubleshoot and perform centralized upgrade and configuration operations for Microhard Cellular Modem networks. Locations of the units in the network can be positioned on a detailed map interface with precise GPS coordinates. The entire network status can then be monitored and diagnostics can be used to prevent, identify and resolve problems.



Features

- Detailed graphical representation of Microhard Cellular Devices
- Hosted, server based software with multi-user capabilities
- Precise mapping capabilities via point and click or GPS coordinates
- Quickly identify offline devices
- SMS & Email Alerts
- Centralized wireless firmware upgrade and configuration capabilities
- View status of radios by groups or location.
- Direct access to Cellular Radio Configuration WebUI
- Schedule and automate configuration and firmware changes
- Advanced event and action logging, task history
- Import and export event logs
- Monitor Cellular & network traffic, RSSI, Ec/No, uptime of the entire network
- View statistics for attached Ethernet, Serial and USB devices

Network Management Software (NMS)



- The NMS Dashboard provides a snap shot of the network health and status, allowing users to quickly take stock of online and offline units.
- Device grouping allows to segregation of devices by type, carrier, network, project, geography etc for easy identification.
- Simple to navigate device tree and grouping folders for easy device selection.
- The detailed view device summary shows information such as the MAC and IP Addresses, Device Name, Carrier, SIM, Service & Radio Type, Ec/No, RSSI/RCP, Device Status.
- Quick link to specific device's WebUI Configuration.
- Powerful Filter to show only devices of interest.
- Map View allows robust mapping capabilities using GPS coordinates, with color coded icons for easy to view device status.
- Detailed information for each device in contact.

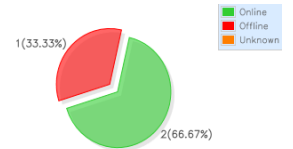
Managed	Device Name	IP Address	MAC Address	Carrier	SIM	Service	Radio Type	Ec/No	RSSI	RSCP	Uptime	Last Contacted	Status
✓	IPh3G_BELL	10.16.105.2	00:0F:92:06:05:F6	Bell	89302610202061722946	3G-WCDMA	3G	-18	-86	1.23:59:11	2012-06-15 15:03:39	Online	
✓	MH_3GX	25.80.66.38	00:0F:92:00:47:CD	CANRogersWirelessInc.	89302720401025322242	3G-WCDMA	3G	-12	-63	0.23:38:07	2012-06-15 15:03:32	Online	
✓	IPh3G	173.182.1.57	00:0F:92:00:52:A1	TELUS	8912230000065083685	3G-WCDMA	3G	null	N/A	null	N/A	2012-06-15 13:03:33	Offline

Device Details: MH_3GX

General Carrier Ethernet VPN Groups Report Settings

IP Address: 25.80.66.38
 APN: internet.com
 Activity Status: Call in progress
 Home/Roaming: Home
 Carrier: CANRogersWirelessInc.
 Cell ID: 0x29E2B1
 Service Type: 3G-WCDMA
 Channel Number: 437
 Frequency Band: 1900MHz
 IMEI: 354626030278780
 IMSI: 302720406979604
 SIM Card Number: 89302720401025322242
 Phone Number: +15878938642
 Ec/No (dB): -7
 RSSI (dBm): -59
 RSCP (dBm): -60
 Core Temperature (°C): 74
 Supply Voltage (V): 12.27

- Device Details provide general information about the device such as hardware & firm-ware versions, date/time last contacted, configuration details.
- Carrier details provides current APN, Call Status, Roaming info, Cell ID, SIM Card Info, Temperature and Supply Voltage etc.
- Device local network settings and statistics
- Activity and log history of network events for specific interfaces such as Ethernet, Serial/USB interfaces, VPN status and statistics.
- Advanced logging capabilities in XLS format. Import and Export Event Logs.
- Extensive settings for User Management, Device Access Settings, SNMP, Local Device Discovery.
- Web Service for centralized upgrades and unit configuration backup and restoration.
- Customizable SMS & Email Alerts for events.



Register at nms.microhardcorp.com to setup your domain on the Microhard NMS Servers

Contact Information

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AUTHORIZED DISTRIBUTOR: ControlSystemsUSA.com
 Houston, Texas USA
 sales@ControlSystemsUSA.com
 832-615-3588

