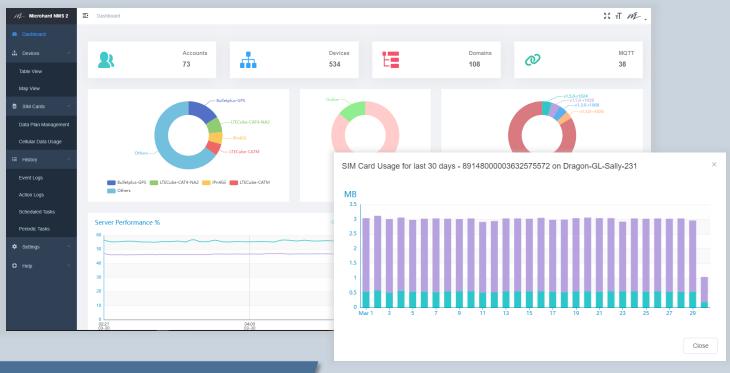
NMS 2 On Premise



Microhard NMS 2 is a powerful on premise server application that allows users to visually monitor, troubleshoot and perform centralized upgrade/configuration operations for Microhard Cellular Modems. Locations of the units in the network can be positioned on a detailed map interface with precise GPS coordinates. Using MQTT and/or UDP reporting network devices can be monitored in real time and managed to prevent, identify and resolve problems.



Features

- Detailed graphical representation of Microhard Cellular Devices
- On Premise (Self Hosted) Windows Server and Linux based software with multi-user capabilities
- MQTT & UDP device management
- Data Usage Reports & Alerts
- AT Command Interface for single or multiple device configuration changes
- Precise mapping capabilities via Lat/Long or automatic GPS coordinates
- Quickly identify offline devices
- Customizable Email Alerts
- Centralized wireless firmware upgrade and configuration capabilities
- Schedule and automate configuration and firmware changes
- Advanced event and action logging, task history
- View and export event logs
- Monitor Cellular & network traffic, RSSI/RSRQ etc, uptime of the entire network
- Backup/Restore device configurations

NMS 2 On Premise



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di.		Statu	s MQTT	Device Name 🌩	Domain 🌩	MAC Addr 💠	IP Addr	Product ≑	Software Ver.	RSSI	IMEI	Carrier	SIM	Module	Carrier Firmware Ver.	Uptime	Last Contacted
		0	~	BP-13	BoTest	000F92029535	192.16.8.1	Bulletplus-GPS	v1.3.0-r1086	N/A	356406061081245	N/A	N/A	LN930	FIH7160_V1.1_WW_01.1	13.13:49:9	2023-03-30 08:26:56
		0	×	BP-14	BoTest	000F9206101A	192.168.221.14	Bulletplus-GPS	v1.3.0-r1086	N/A	866834040185345	N/A	N/A	EC25	EC25AFFAR07A08M4G(42.17:55:53	2023-03-30 08:26:13
=		0	~	BP-20-Paul	1-test.domain	000F9204FF97	N/A	Bulletplus-GPS	v1.3.0-r1077-23	N/A	867698040065404	N/A	N/A	EG25	EG25GGBR07A06M2G(49.13:19:15	2023-03-30 08:26:10
		0	~	BP-21-Paul	default	000F92061345	192.168.221.21	Bulletplus-GPS	v1.3.0-r1069-5	N/A	867698040066915	N/A	N/A	EG25	EG25GGBR07A06M2G(0.0:5:7	2023-03-30 08:25:44
۰		0	~	BP-22-Paul	default	000F9206001C	192.168.221.22	Bulletplus-GPS	v1.3.0-r1069-5	N/A	N/A	NOT REGIS	N/A	N/A	N/A	0.0:3:6	2023-03-30 08:26:17
		0	×	BPLE910_505firmware	1-test.domain	000F92083106	166.247.44.43	Bulletplus-GPS	v1.3.0-r1084	-82	358148062832337	VerizonWirel	89148000004082513303	LE910	DOB v.2.0 20.00.005(20.0	27.0:26:58	2023-03-30 08:22:55
0		0	~	BPLE910_505firmware	1-test.domain	000F92082D45	10.104.26.210	Bulletplus-GPS	v1.3.0-r1056	-64	358148062833301	CAN740	8917401010000016114	LE910	DOB v.2.0 20.00.505(20.0	2.15:39:23	2023-03-30 08:23:16
*		0	~	BPLE910_505firmware	1-test.domain	000F9208302C	173.181.200.45	Bulletplus-GPS	v1.3.0-r1056	-50	358148062840272	TELUS	8912230102126832975	LE910	DOB v.2.0 20.00.505(20.0	26.18:22:29	2023-03-30 08:25:57
		0	~	BPLE910_505firmware	1-test.domain	000F92083143	173.181.200.44	Bulletplus-GPS	v1.3.0-r1056	-61	358148062832477	TELUS	8912230102126832967	LE910	DOB v.2.0 20.00.505(20.0	6.20:50:22	2023-03-30 08:26:11

evice General							
Device Name	BulletCAT9-VZW-52	Domain Name		USA-Office			
Description	myBulletCAT9	IP Address		100.89.195.193			
MAC Address	000F92069023	Product Type		G5 - BulletCAT9			
Software Version	v1.5.0-r1044	Hardware Version		1.0			
Status	Online	Uptime		60 days 6 hours 30 minutes 26 seconds			
Last Contacted	2022-08-19 11:25:44.0	Last MQTT Publish Tin	ne	2022-08-19 11:25:44.0			
Last UDP Report Time	2022-08-12 17:22:09.0	Last Webclient Access	ed	2022-08-19 09:55:28.0			
arrier0							
arrier0							
Last Updated	2022-08-19 11:25:44.0	APN		ITERNET			
arrier0 Last Updated Module Type	2022-08-19 11:25:44.0 L850	APN Firmware Version		NTERNET 5001.02.03.25.20(, Buill@Apr 4 2020:16:18.43)			
Last Updated			18500				
Last Updated Module Type IP Address	L850	Firmware Version	18500 86321	5001.02.03.25.20(.Built@Apr 4 2020:16:18:43)			
Last Updated Module Type IP Address DNS 1	L850 100.89.195.193	Firmware Version	18500 86321 31148	5001.02.03.25.20(Built@Apr 4 2020:16:18:43) 2031210310			
Last Updated Module Type IP Address DNS 1 DNS 2	L850 100.89.195.193 198.224.172.135	Firmware Version IMEI IMSI	18500 86321 31148 89148	5001.02.03.25.20(.Built@Apr 4 2020:16:18:43) 2031210310 0468867061			
Last Updated Module Type IP Address DNS 1 DNS 2 Activity Status	L850 100.89.195.193 198.224.172.135 198.224.175.135	Firmware Version IMEI IMSI Sim Card Number	18500 86321 31148 89148	5001 02 03 25 20(Built@Apr 4 2020:16:18:43) 2031210310 046867061 000004713612136			
Last Updated Module Type	L850 100.89.195.193 198.224.172.135 198.224.175.135 Connected	Firmware Version IMEI IMSI Sim Card Number Sim Card Number 2	18500 86321 31148 89148 89148	5001 02 03 25 20(Built@Apr 4 2020:16:18:43) 2031210310 046867061 000004713612136			
Last Updated Module Type IP Address DNS 1 DNS 2 Activity Status Phone Number	L850 100.89.195.193 198.224.172.135 198.224.175.135 Connected +17252216970	Firmware Version IMEI IMSI Sim Card Number Sim Card Number 2 Home/Roaming	18500 86321 31148 89148 89148 89148 Home	5001 02 03 25 20(Built@Apr 4 2020:16:18:43) 2031210310 046867061 000004713612136			

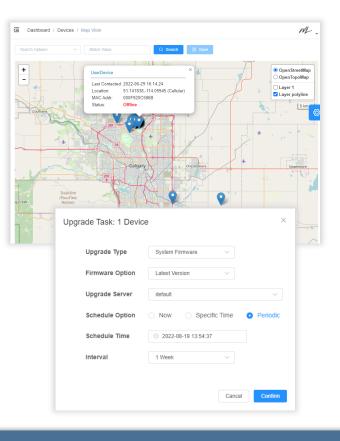
- Device Details provide general information about the device such as hardware & firmware versions, date/time last contacted, configuration details.
- Carrier details provides current APN, Connection Status, Roaming info, Cell ID, SIM Card Info, Temperature and Supply Voltage etc.
- Device local network 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, export Event Logs.
- Web Service for upgrades and configuration backup/restore.
- Customizable Email Alerts for events.

NMS2 Requirements				
OS	Windows Server			
OS Version	2019 or 2022			
Storage	500GB SSD or Better			
RAM	32GB or Better			
СРИ	Intel Core i7-2600 @ 3.4GHz or Better			

microhard

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- The Dashboard provides a snap shot of the network health to quickly take stock of online and offline units.
- The detailed view device summary shows information such as the MAC and IP Addresses, Device Name, Carrier, SIM, Service & Radio Type, RSSI/RSRQ, etc.
- Quick link to specific device's WebUI Configuration.
- Powerful Filter to show only devices of interest.
- Map View allows robust mapping capabilities, with easy to view device status.
- Detailed device Information for Cellular Carrier, General/System info and interface data.



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