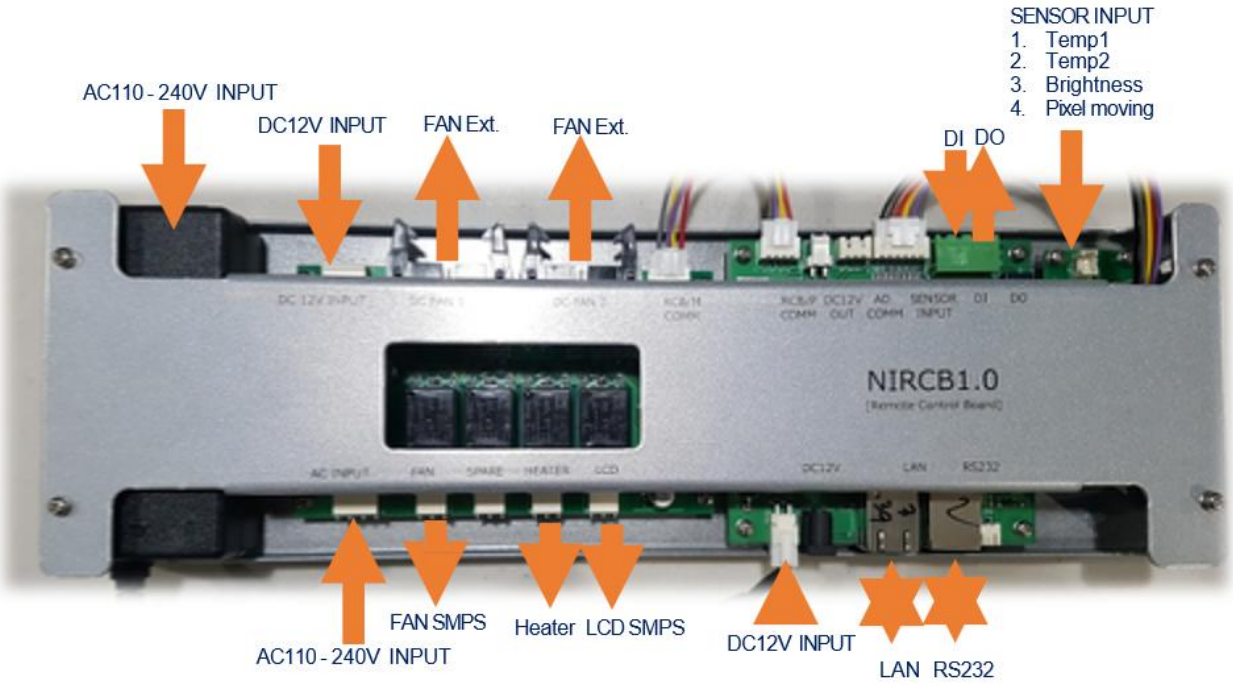
Hardware Health Monitoring System

Model: NRMCB-300

Outdoor LCD Sign Controller | Control Board



Remote Maintenance Features

The NRMCB-10 is a comprehensive unit monitoring device – that employs sensors to track real-time data on the device's temperature, humidity, brightness levels, as well as the current inputs and fan speed. Furthermore, data is continuously collected on the health status of the internal computer, LCD panel, and crucial thermoregulating systems like the internal heater and fans.

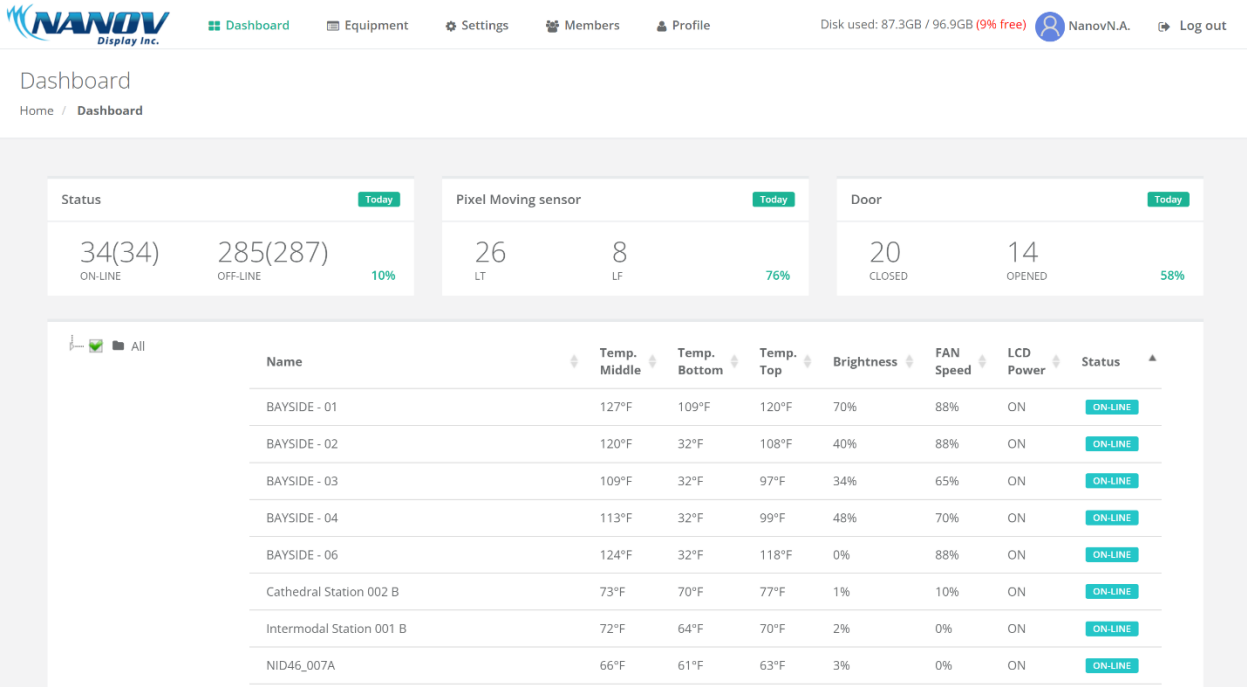
NRMCB-10 can also be accessed and controlled from a distance — allowing for remote messaging to the module with an interactive two-way database interface, having the ability to instantly reset the Computer, Modem, LCD Panel, heater, fan, or other embedded IoT, all from the convenience of the office, crucially cutting down on repair and maintenance times and concerns.

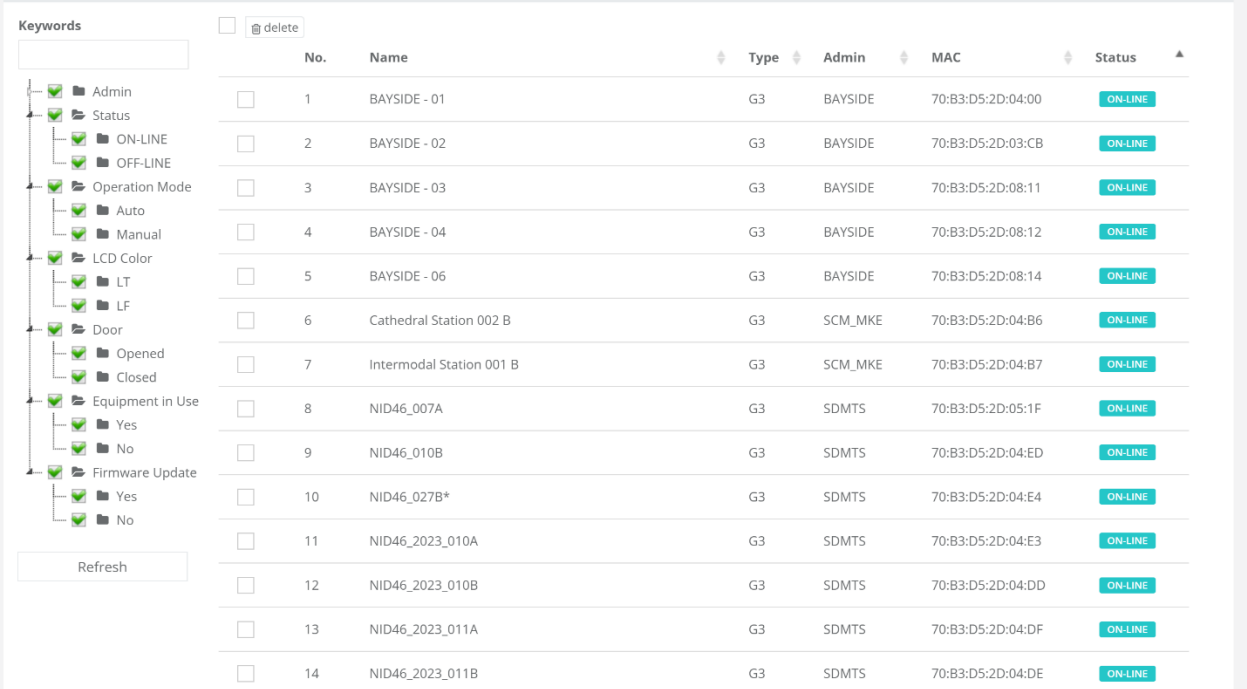
The NRMCB-10 automatically reboots the modem if a failed connection is detected (communication failure persists for 3 minutes) with the Auto-Ping feature. Furthermore, Power Sequence Scheduling has been redesigned to always boot up the Modem sequentially, Computer, LCD Panel, and then Fan and Heater – which means the LCD Panel will never display visuals before the computer has been fully started and content is loaded and ready to be seen.

Some other features include:

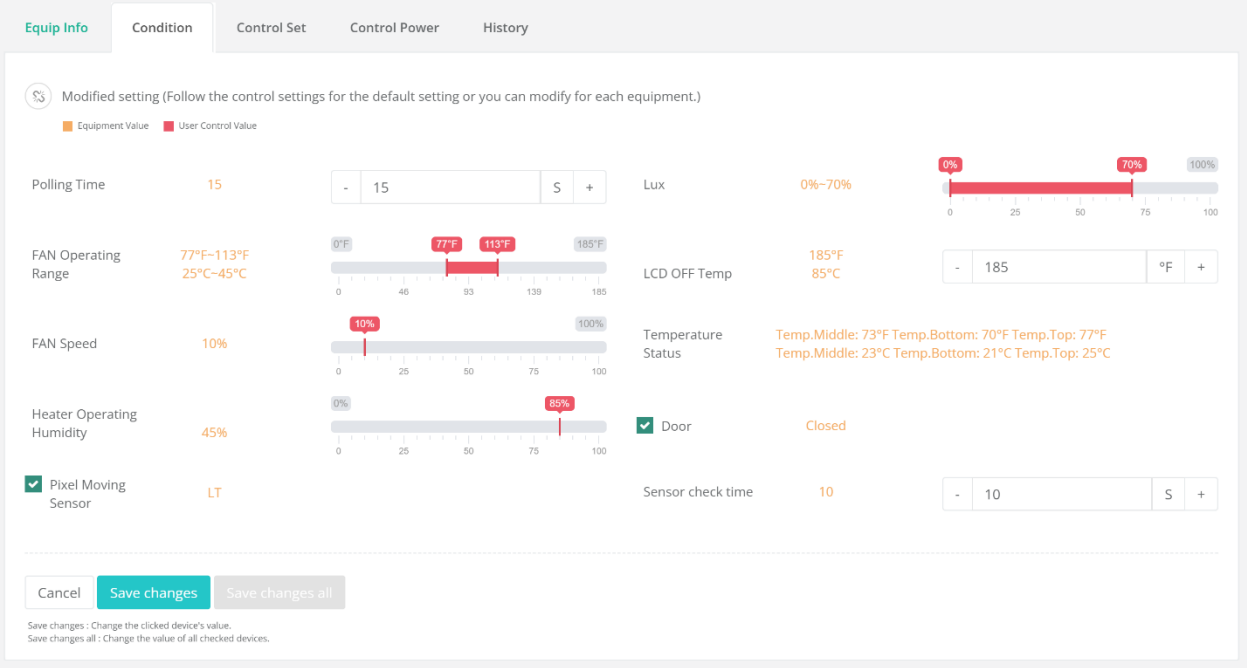
- Reconfigure and change input remotely (i.e. from HDMI1 to HDMI2 or DVI).
- Receive an alarm or alert via text for any power failures or detection of extreme temperatures.
- Four more IoT connections can be added to the power control board – for additional customizable features (i.e. add-on validator, which requires its own secure modem; this is in addition to three modems – one each for the computer, 5G signal, and controller).
- An alarm gets triggered when the door sensor detects that the maintenance door is open, or when the pixel moving sensor detects that the screen isn't working. Receive these alerts all via text to the convenience of your office.
- The NRMCB-10 received UL-compliant evaluation and received UL879 sign controller certification after thorough and extensive testing to be waterproof, weatherproof, and long-lasting.

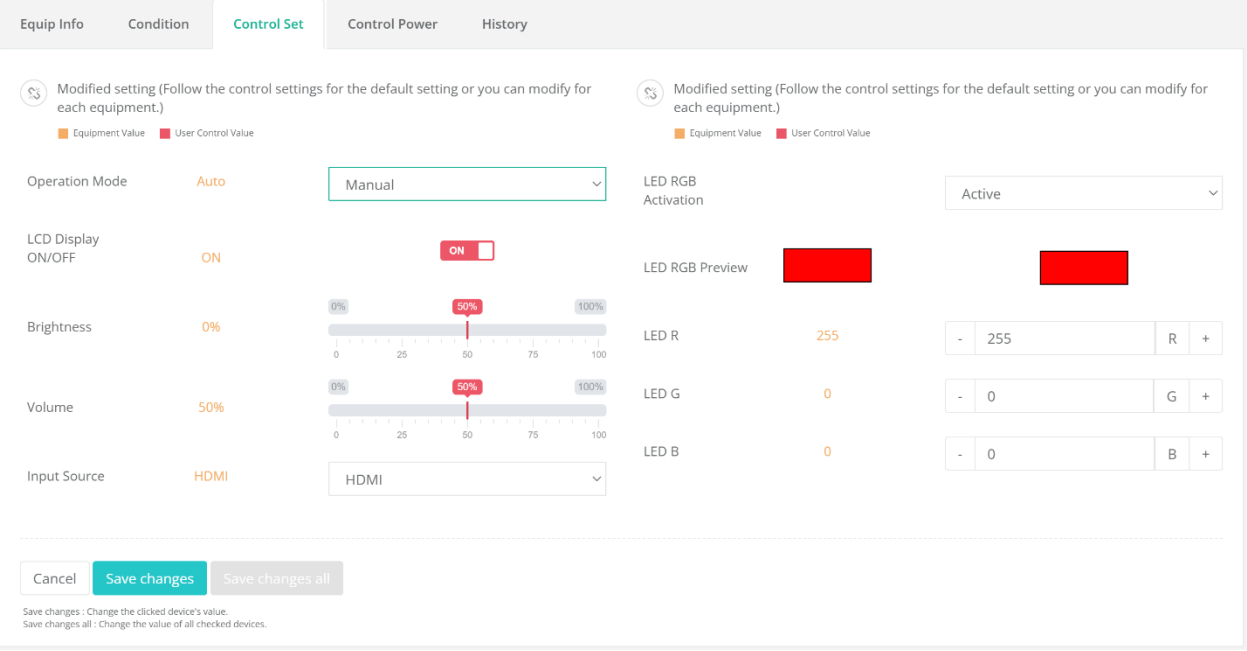
Dashboard


Dashboard
Equipment
Settings
Members
Profile
Disk used: 87.3GB / 96.9GB (9% free)
NanovN.A.
Log out
Dashboard
Home / Dashboard
Status
Today
34(34)
ON-LINE
285(287)
OFF-LINE
10%
Pixel Moving sensor
Today
26
LT
8
LF
76%
Door
Today
20
CLOSED
14
OPENED
58%
All
Name
Temp. Middle
Temp. Bottom
Temp. Top
Brightness
FAN Speed
LCD Power
Status
BAYSIDE - 01 127°F 109°F 120°F 70% 88% ON ON-LINE
BAYSIDE - 02 120°F 32°F 108°F 40% 88% ON ON-LINE
BAYSIDE - 03 109°F 32°F 97°F 34% 65% ON ON-LINE
BAYSIDE - 04 113°F 32°F 99°F 48% 70% ON ON-LINE
BAYSIDE - 06 124°F 32°F 118°F 0% 88% ON ON-LINE
Cathedral Station 002 B 73°F 70°F 77°F 1% 10% ON ON-LINE
Intermodal Station 001 B 72°F 64°F 70°F 2% 0% ON ON-LINE
NID46_007A 66°F 61°F 63°F 3% 0% ON ON-LINE


Keywords
delete
Admin
Status
ON-LINE
OFF-LINE
Operation Mode
Auto
Manual
LCD Color
LT
LF
Door
Opened
Closed
Equipment in Use
Yes
No
Firmware Update
Yes
No
Refresh
No. Name Type Admin MAC Status
1 BAYSIDE - 01 G3 BAYSIDE 70:B3:D5:2D:04:00 ON-LINE
2 BAYSIDE - 02 G3 BAYSIDE 70:B3:D5:2D:03:CB ON-LINE
3 BAYSIDE - 03 G3 BAYSIDE 70:B3:D5:2D:08:11 ON-LINE
4 BAYSIDE - 04 G3 BAYSIDE 70:B3:D5:2D:08:12 ON-LINE
5 BAYSIDE - 06 G3 BAYSIDE 70:B3:D5:2D:08:14 ON-LINE
6 Cathedral Station 002 B G3 SCM_MKE 70:B3:D5:2D:04:B6 ON-LINE
7 Intermodal Station 001 B G3 SCM_MKE 70:B3:D5:2D:04:B7 ON-LINE
8 NID46_007A G3 SDMTS 70:B3:D5:2D:05:1F ON-LINE
9 NID46_010B G3 SDMTS 70:B3:D5:2D:04:ED ON-LINE
10 NID46_027B* G3 SDMTS 70:B3:D5:2D:04:E4 ON-LINE
11 NID46_2023_010A G3 SDMTS 70:B3:D5:2D:04:E3 ON-LINE
12 NID46_2023_010B G3 SDMTS 70:B3:D5:2D:04:DD ON-LINE
13 NID46_2023_011A G3 SDMTS 70:B3:D5:2D:04:DF ON-LINE
14 NID46_2023_011B G3 SDMTS 70:B3:D5:2D:04:DE ON-LINE

Equipment Controls





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