



WMS2

Web-based Building Management Station – HTML5

The WMS2 is a stand-alone, embedded, web-based graphical interface for building automation, process control and access control systems. Multiple simultaneous protocols are supported including BACnet MS/TP, BACnet/IP, ModBus 485, ModBus TCP/IP and LonWorks.

The WMS2 uses flash memory for internal storage. It contains no hard disk or other moving parts. The Linux operating system is used for enhanced security and stability. The WMS2 is totally self-contained so no PC is required on site, only access for a web browser, locally or via the internet.

All set up and user interactions are performed via a web browser. No dedicated PC or external applications are required. The user interface utilizes HTML5 to allow for advanced graphical features and drag and drop setup. No knowledge of HTML, XML, JavaScript or any other programming language is required to set up or use the WMS2 (a scripting language is included for optional light control logic).

The WMS2 is designed to automatically adjust to any screen size and orientation. This allows it to be used in browsers on a PC, tablet or mobile phone with no changes or special effort necessary.

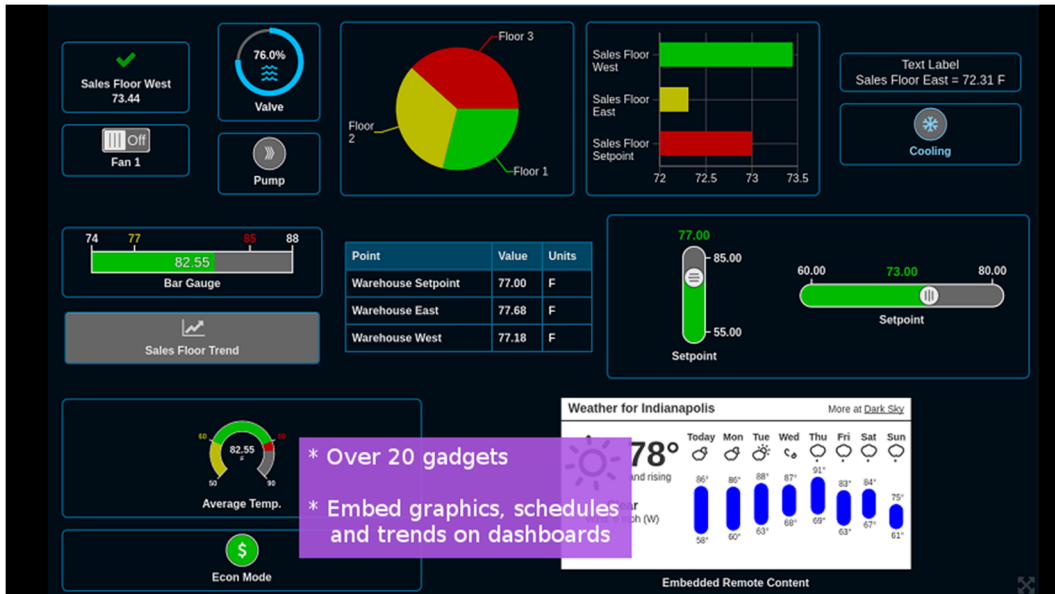
Key Features

- Activity definable User Groups for up to 100 users (up to 100 Groups)
- Drag & Drop point addition to graphics, trends, schedules etc.
- Numerous pre-configured graphic elements
- GIF, image and template library maybe supplemented with additional selections by the user
- QR Code generation of point device labels for on-site QR Code scanning for direct login and navigation to browser display on mobile phone or tablet

Feature Summary

- Dashboards with over 20 gadgets, including containers to embed graphics, trends, schedules and remote HTML content
- Traditional graphic displays for animated systems or floor plans
- Internally maintained schedules with sunrise/sunset and staggered starts
- Trend collection, display and export
- Runtime accumulation with email notification
- Alarm condition monitoring with email notification
- Calculated point values (average, min, max, etc)
- Simple scripting language for light control logic
- Database of up to 100 users and 100 user groups
- Multiple simultaneous users
- Activity log for tracking important user actions
- Template system for quickly cloning points, dashboards, devices or entire networks
- Flexible point addressing system allows access to most proprietary structures, bit fields and objects
- Calculations may be performed on data points when read and/or written (e.g. Deg. F to Deg. C or scaling)
- Support for up to 2,000 tree nodes which can be any combination of points, dashboards, trends, etc. There are no hard limits on individual nodes but practical limits on control points will depend on communication speed and network bandwidth used

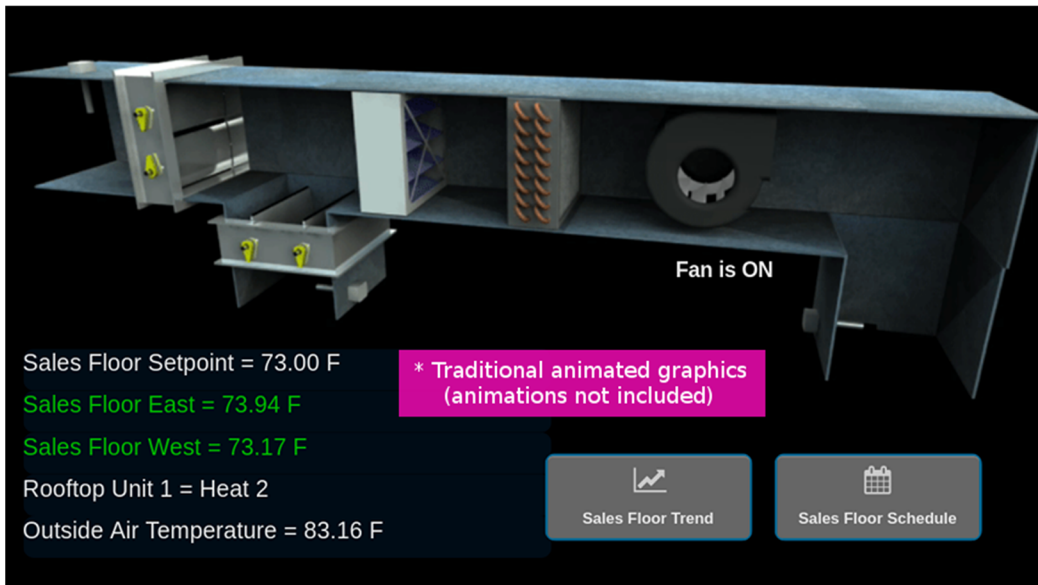
Pre-Defined Graphic Elements



Embedded Tools for easy element addition and Drag & Drop Configuration



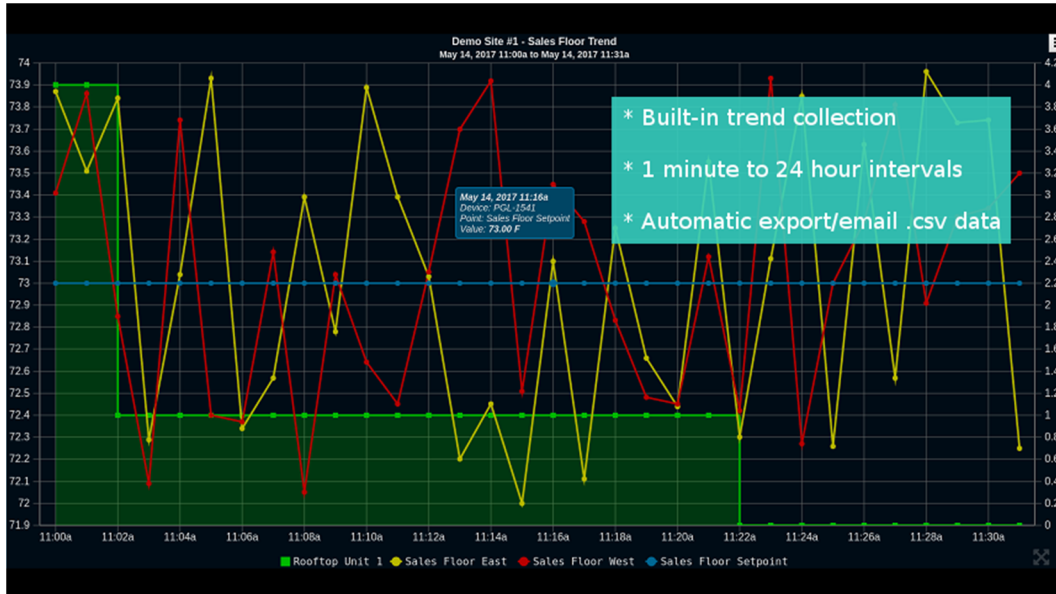
Supports Library Import of GIF Animations



Powerful Scheduler with Drag & Drop Point Connection

Monday	10:00a to 08:00p	
Tuesday	07:00a to 06:00p	* Built-in scheduler
Wednesday	08:00a to 09:00p	* Exception dates & periods
Thursday	08:00a to 06:00p	* Offset times for staggered starts
Friday	08:00a to 06:00p	* Sunrise/sunset with offsets
Saturday	⚙️ (06:26a) to 12:00p	01:00p to 🌙 (08:55p)
Sunday		

Trending with Scheduled Emailing of Export Data File



Print QR Code Labels for Fast Point Checks on Site

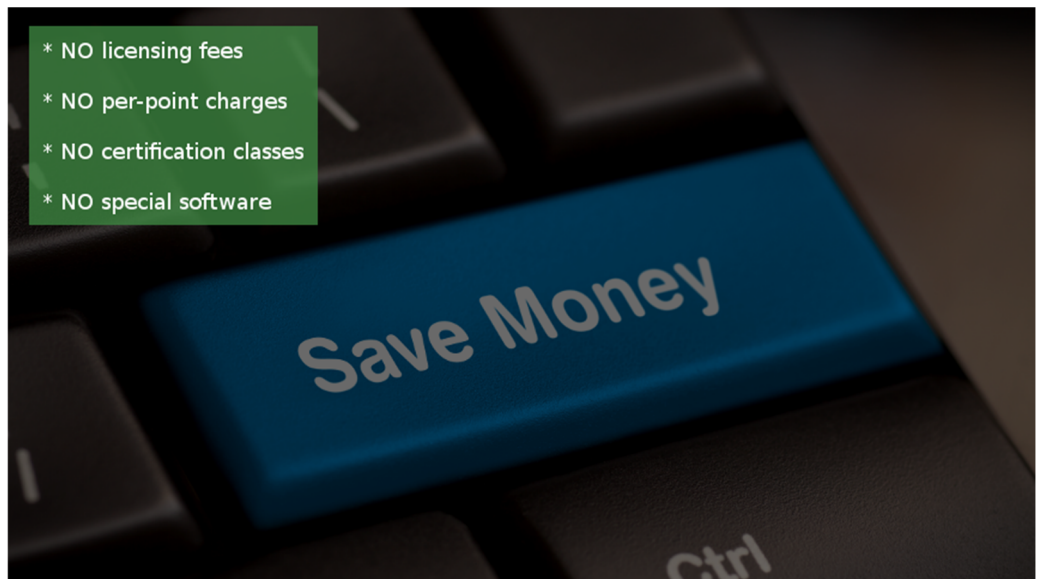
New! QR Code Support

View any part of your building quickly and easily.



Live Demo

Use your phone camera or a QR Code reader from the app store.



Hardware Specifications

- CPU: 1.2 GHZ quad-core ARM Cortex A53
- RAM: 1 GB LPDDR2-900 SDRAM
- Storage: 8 GB NAND Flash
- 1 10/100 MBPS Ethernet Port
- 4 USB 2.0 Compatible OHCI ports
- Fanless -40° to +85°C
- Battery Backed Real Time Clock
- RoHS, FCC and CE Compliant
- Power: 5V DC @ 1.5A
- DIN Rail housing
72mm Wide x 90mm High x 62mm Deep

Supported Protocols

- BACnet MS/TP
- BACnet IP
- ModBus RTU/485
- ModBus/TCP
- LonWorks
- XML/HTTP (read only)

Requirements

No software is required other than an HTML5 compatible browser.
Recommended browsers are as follows:

- Windows: Chrome
- Android: Chrome
- iPhone/iPad: Safari
- Linux: Chrome