WMB1

Web-based Native BACnet Building Management Station – HTML5

The WMB1 is a stand-alone, embedded, web-based graphical interface for building automation, process control and access control systems, featuring a native BACnet graphical user interface.

The WMB1 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. It 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 WMB1 (a scripting language is included for optional light control logic).

The WMB1 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 (gadgets)

Feature Summary

- More than 25 gadgets, including containers to embed graphics, trends & schedules
- Traditional graphic displays for animated systems or floor plans
- Import GIF files for animations
- Import image files for graphics – backgrounds, floorplans, static elements
- Internally maintained schedules, or edit schedules from other devices
- Trend collection, display and export from any device on the network
- Alarm condition monitoring of all devices, with email notification
- 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
- Virtually all standard and most primitive proprietary properties can be viewed/edited
- Virtually unlimited tree nodes

HRW Limited

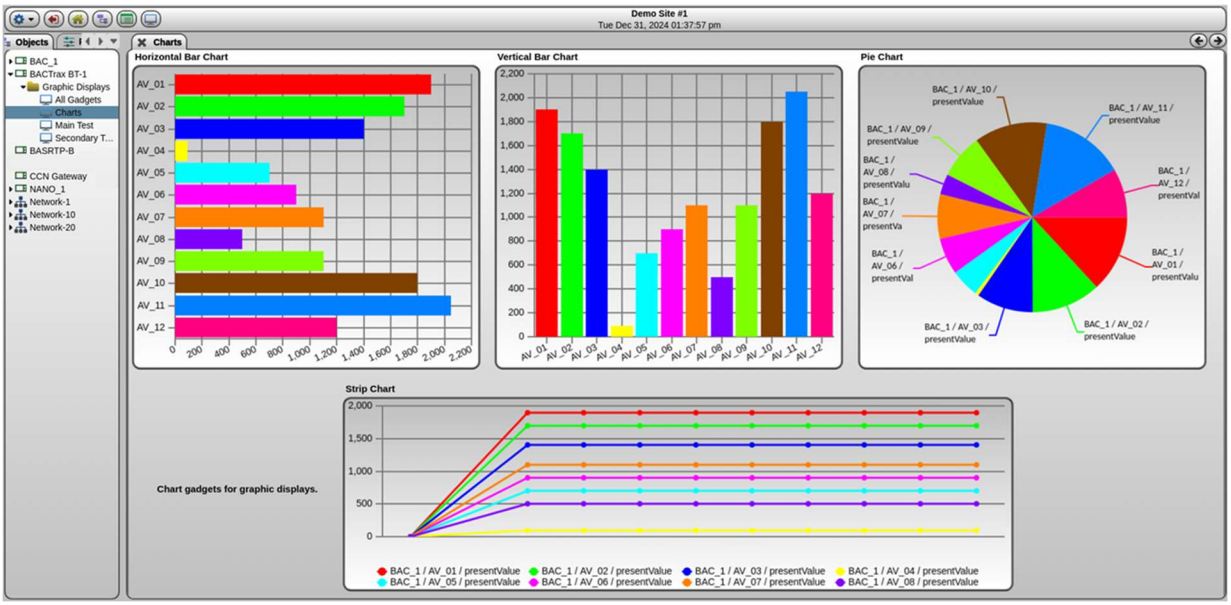
Unit E, 11/F, Sun Ying Industrial Centre
9 Tin Wan Close, Tin Wan
Hong Kong

Ph +852 2546 7402
Fax +852 2546 7403
www.hrw.hk

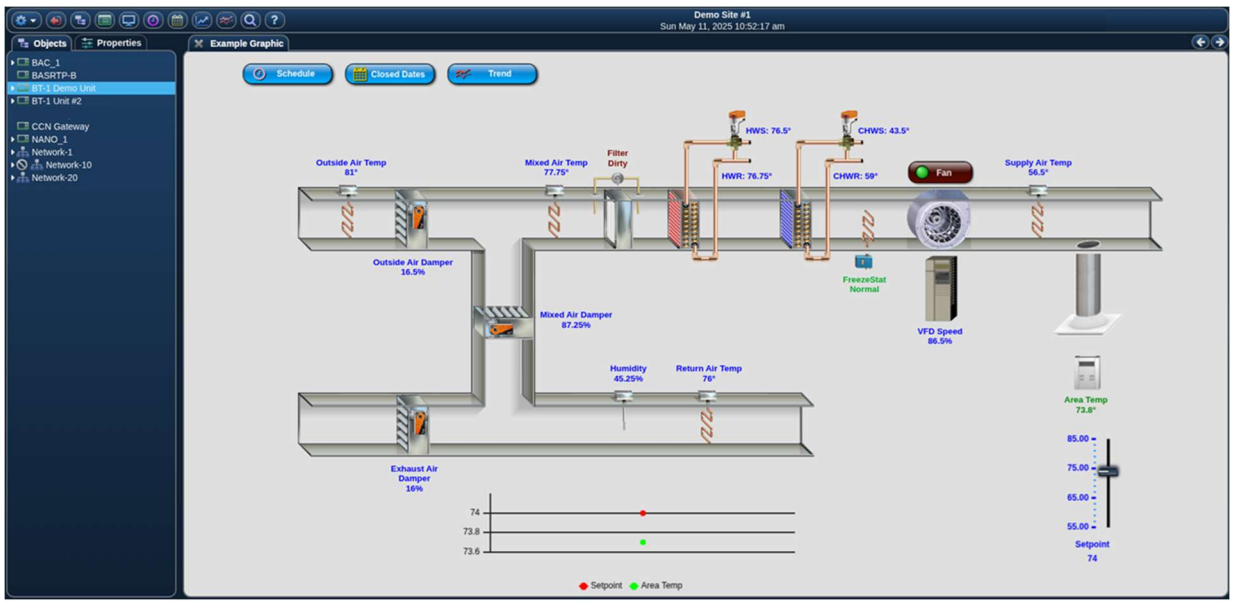
Auto-Discovery of Existing / New Networks & devices

25+ Pre-Defined Graphic Elements (embedded tools / drag & drop)

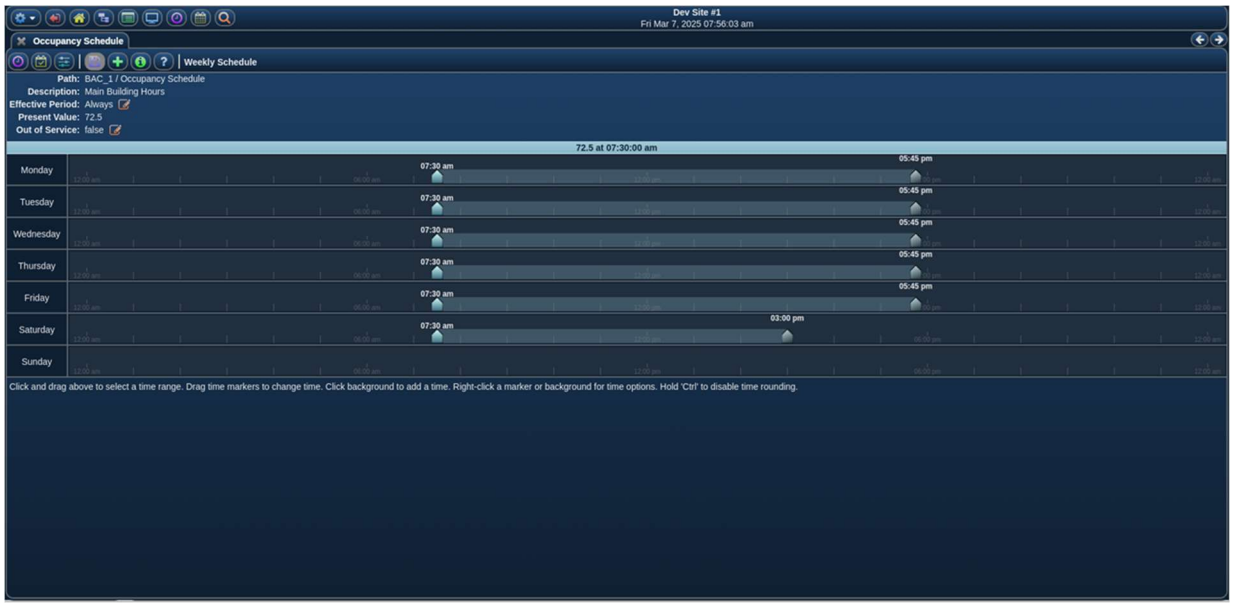
Charting gadgets (in Light colour theme)



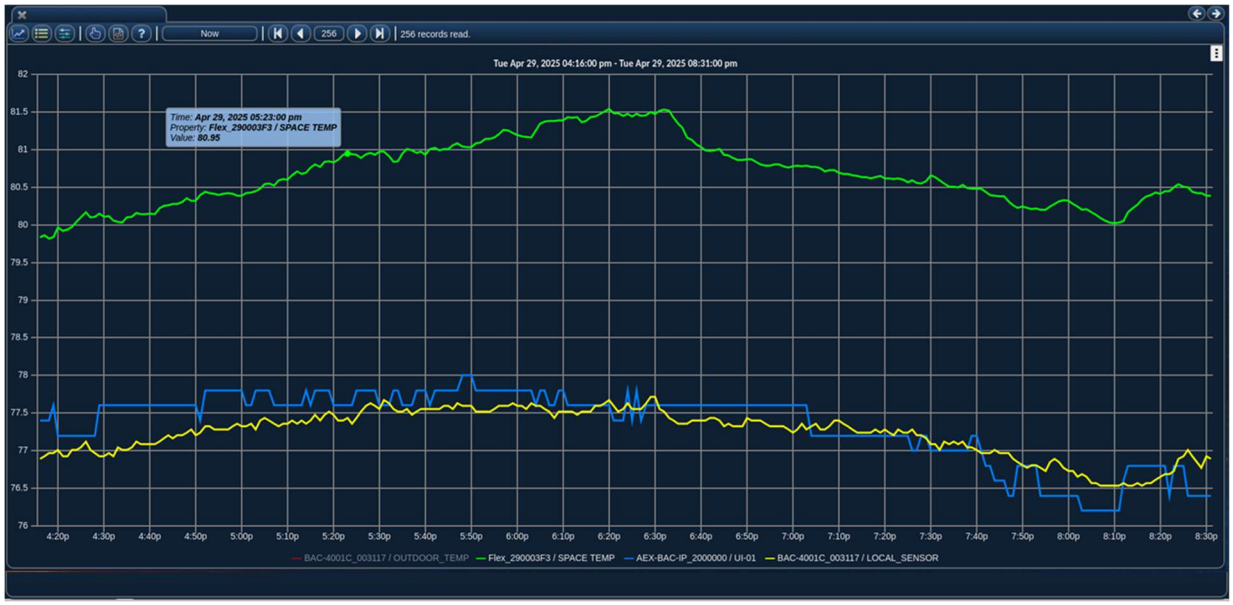
Graphic Displays with built-in drag and drop editor



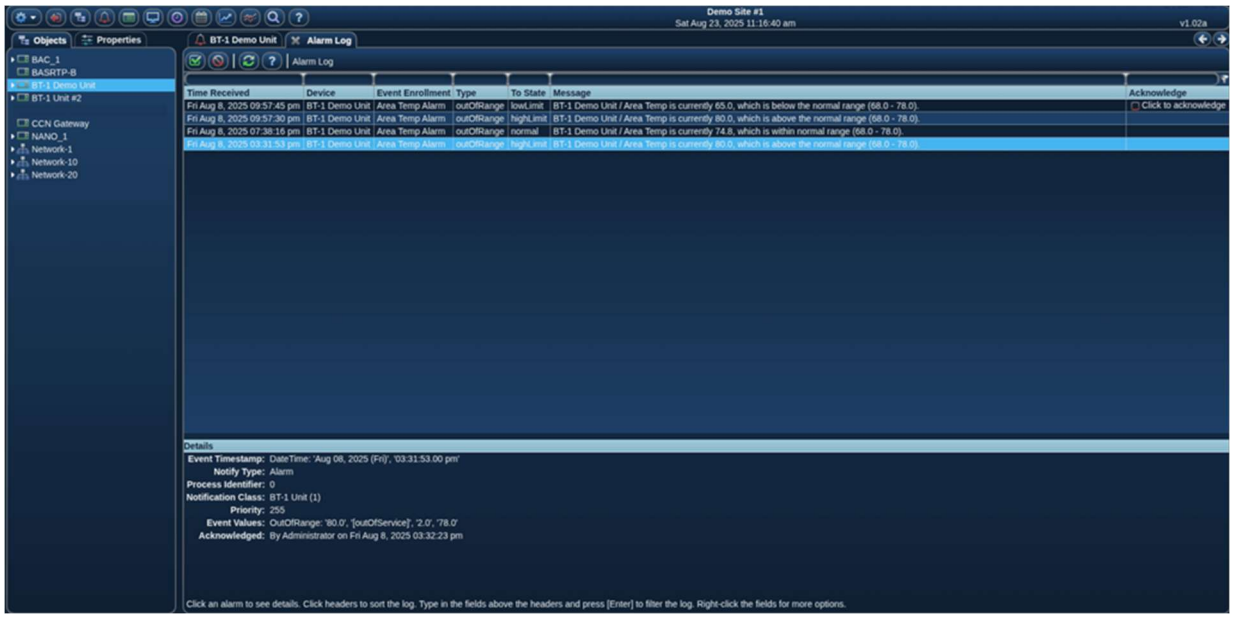
Graphical schedule editor with exceptions/special events. Edit schedules in your devices or create new ones via the WMB1



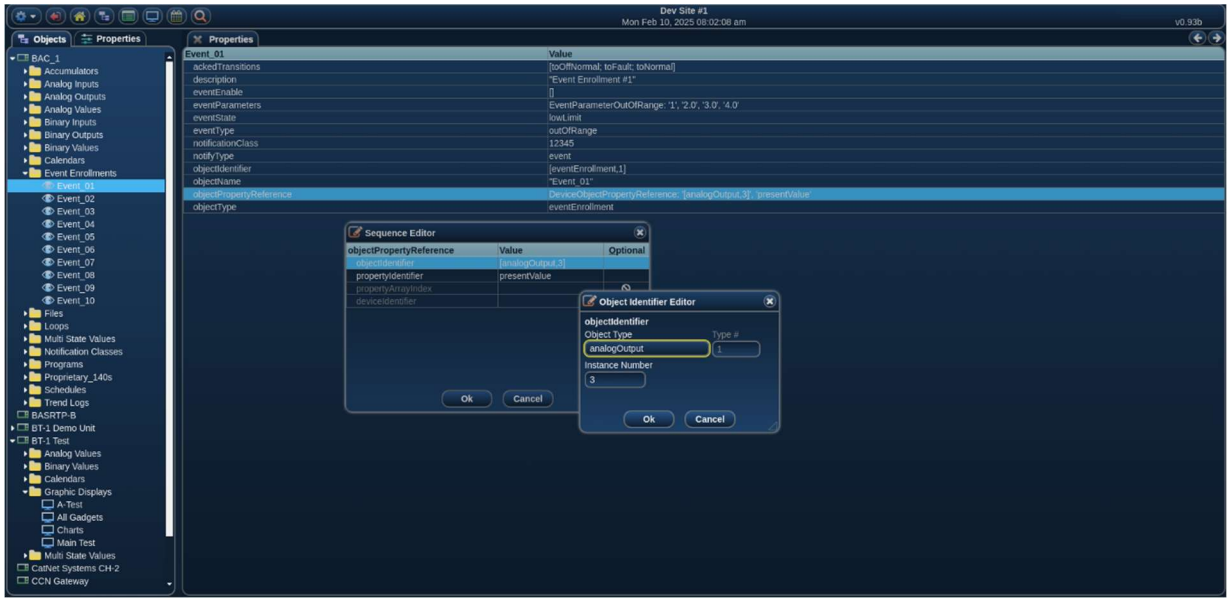
Both Trend Logs and Trend Log Multiples are supported with over 46,000 readings stored per trend (32 days based on 1 minute samples)



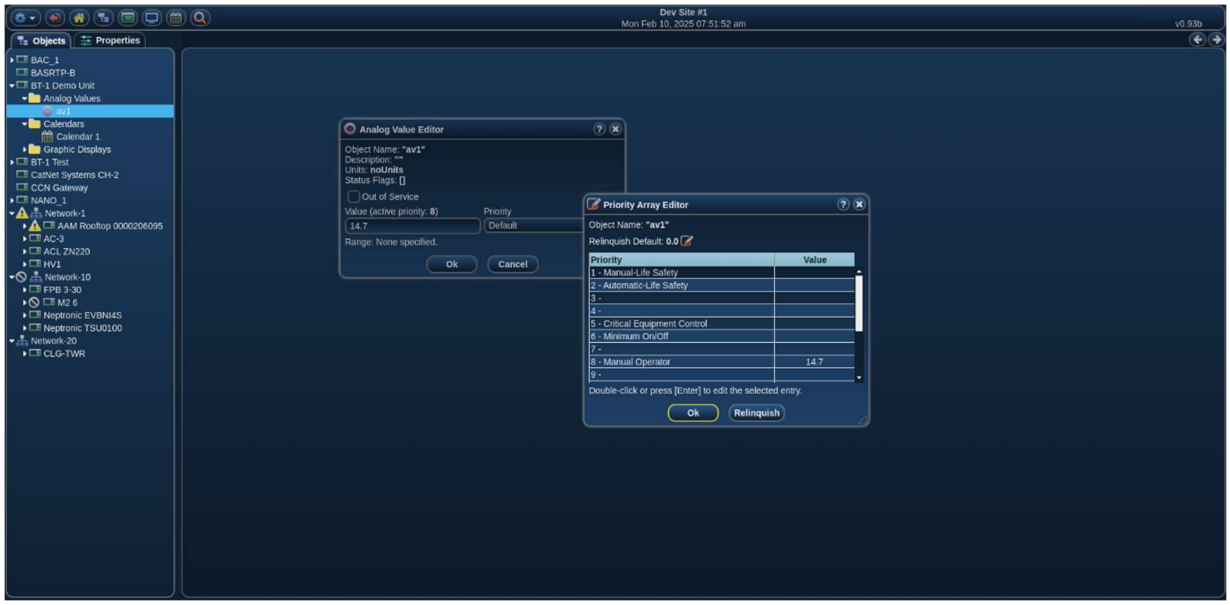
Logging & Emailing of alarms from any device, or create new alarms on the WMB1 to monitor any properties in the network



Full-featured BACnet browser/explorer



Custom editors for many object types, with full priority array support



- Embedded device (no PC needed on site)
- 100% browser-based (built-in web server)
- Easy drag & drop setup
- **No** special software needed
- **No** HTML or programming knowledge required
- **No** device or point limits
- **No** required training
- **No** recurring fees of any kind

Hardware Specifications

- CPU: 64-bit Quad-core Cortex-A72
- RAM: 2GB LPDDR4
- Storage: 32GB microSD
- 1 x 10/100/1000 Mbps Ethernet Port
- 2 x USB 3.0 ports
- 2 x USB 2.0 ports
- Battery-backed Real Time Clock
- RoHS, FCC and CE Compliant
- Power: 5Vdc, 3A, 15W *Not Provided*
- 45mm Wide x 105mm High x 118.2mm Deep

Supported Protocols

- BACnet IP
- BACnet MS/TP (via MS/TP <> IP router; **WMS-RT-BN**)

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

Default IP Address:	http://192.168.0.60:8391
User Name:	admin
Initial Password:	Password1 (you will be prompted to change at first login – please record new password and keep it safe)

A 5Vdc, 3A (15W) power supply is required. A DIN rail power supply for connection to the 2-pole screw-retained terminals may be ordered separately with order code **HTR-MDR2005**

Alternatively a USB-C power pack rated at 5Vdc, 3A may be sourced locally for supplying the power via the WMS2 front panel USB-C socket

WMB1 c/w optional power supply; HTR-MDR2005

Dimensions