



ARC MINISERVER

2021 CATALOGUE



ARC MINISERVER IS A ONE-SIZE-FITS-ALL BUILDING MANAGEMENT AND CONTROLS SYSTEM. ADAPTABLE, PROGRAMMABLE, MOBILE AND EASILY SET UP, OUR SYSTEM OFFERS A SECURE, BROWSER-BASED BUILDING MANAGEMENT SYSTEM FOR ANY SIZED PROJECT. FROM SMALL RESIDENTIAL NEEDS TO LARGE GOVERNMENT PROJECTS REQUIRING EXTENSIVE AND COMPLEX CONNECTIONS, OPENBMCS OFFERS THE SCALABILITY YOU NEED.



GENERAL FEATURES



Easy Access From Any Device



The main advantage of OpenBMCS over other building management software systems is its browser-based implementation. With OpenBMCS, you don't have to hassle with time consuming and space draining software installation or worry about manual updating. Instead, just open your web browser and navigate to the address. OpenBMCS is 100% HTML5 compliant so it is easily accessible from any device and any browser. No large downloads, no plugins, no hassle!

End User Focused Design



With OpenBMCS, What-You-See-Is-What-You-Get. (WYSIWYG) This means that when you are programming graphics in the graphics module you are simultaneously programming the navigation the user will see. And when you create histories to track usage and help reduce costs, you are also creating the graphs and navigation for the end user. With OpenBMCS, no interaction is wasted, and this means less work and reduced cost per project.

Safe, Secure Solution



As the world becomes ever more connected, ensuring that building management systems are secure and that data is protected has never been more important. Featuring security protocols that are used by the banking industry, the OpenBMCS system employs cutting edge security practices including:

- The elimination of default passwords. All passwords must be 100% unique and verified.
- Secure client-server communication using banking industry SSL protocols.
- Either self-signed security certificates for out of the box systems or automatically installed certificates with the ability to add your own security certificates depending on your needs.
- A user management module that allows you to modify and control the access level of each user.

User Management Module



Maintaining a secure building management system requires the effective management of user roles, access and permissions. This module allows you to manage your own users and create roles and access privileges specific to each user, limiting their access to areas they don't need and ultimately ensuring greater system security.

- Create and modify user permissions and limit users to specific system areas.
- Set expiry dates for short term consultant or conference users. This feature ensures that you do not accumulate unused live accounts on your system.
- Allow users to create their own login and password, thereby increasing system security with a diverse set of credentials.
- Easily assess who has access to any part of the system.

GENERAL FEATURES



Alarms Module



Creating, identifying and monitoring alarms is an essential part of good building management. Our system allows you to create custom alarms that alert you and the relevant users when conditions fall out of the set parameters. This gives you and your users access to up to the minute information on the state of the overall system, increasing response time and ensuring safety and efficiency.

- The ability to create custom sounds & pair certain alarms.
- Warnings that will display on every page, thereby increasing awareness and response times.
- Quick & easy alarm creation.
- Integration with the Programming Module which ensures that all programming is done with up-to-date alarm settings.

Histories Module



Gives managers and other users a robust solution to track and graph energy and equipment usage. In turn creating the ability to make data driven decisions that increase productivity and efficiency, helping you to be more competitiveness and reduce costs by:

- Tracking usage over the entire system and individual elements.
- Creating detailed usage graphs, with a visual representation at any level of granularity.
- Annotate data points to account for and log certain usage aberrations.

Network Management Module



If the Modules are the nervous system of OpenBMCS, the Network Module is the brain. The Network Module gives you a bird's eye view of all your site controllers and the ability to manage them. No more managing devices manually! OpenBMCS allows you to manage all your devices from one portal.

- Easily commission & replace all controllers.
- Back-up all your controllers at once, saving you hours of labor and site time.
- All backups are stored on the system. There by having no need to go searching for them if you have a fault.
- See the online status of all of your site devices.

Programming Module



Start creating and managing the logic of your site is a breeze with OpenBMCS Programming Module. Featuring a click and drag user interface, table and wireframe views and simple folder management, the Programming Module allows you to:

- Easily connect to your devices via the integrated Network Module list.
- Quickly find and install device drivers.
- Create and manage device Alarms & Histories.
- Manage device settings and services.
- Create program templates for faster and more accurate program creation and implementation.

GENERAL FEATURES



Graphics Module



Creating accurate, highly detailed visuals is simpler, more intuitive and doesn't require any coding. This Module is a complete WYSIWYG tool which allows you to see exactly what the end user will see as you edit and create the graphics. No coding, no markup allowing you to focus entirely on ensuring that your design is user friendly.

Also featuring a unique and efficient way to display relevant data with built-in data tables, unlike other software. It makes organizing your data so easy. No more need to manually create data tables. With this Module you can display the relevant current or historical data from, energy usage to operational status directly in the design.

- Adjust resolutions settings for specific media.
- Create screens for multiple screen resolutions.
- Edit site wide CSS styles.
- Quickly make changes to live graphics for the end user.
- Create and monitor schedules.

Miniserver Hardware Features

- Reduce installation costs.
- Adapt and scale your BMS to any requirements
- Work with and enhance your existing system.
- Set up an interface for any function (eg. entryway dashboard.)
- Be notified with alerts.
- Save time with a simple one click update process.

Electrical & Environmental Limits

- Power Supply: Input AC 100-240V, AC 60W, adapter Output: DC 5V @ 3A
- Average Power: 15W, Low Energy Consumption
- Operating Temperature: -10° to 60° C
- Operating Humidity: 5% to 90% RH (non-condensed)

Specifications

- Dimension: 98mm (L) x 98mm (W) x 20mm (H)
- Standard Colour: Black
- Material: Plastic
- CPU: Quad Core 1.33GHz
- Memory: 2GB DDR
- Chipset: SoC Integrated
- System I/O:
 - 1 x HDMI
 - 1 x Gigabit Ethernet Port 2 x USB
 - 1 x Micro USB
 - 1 x 5VDC power input connector
- Storage: 32 GB eMMC
- Expansion Interface: 1 x microSD
- Packing List: 1 x Power Adapter

System Licenses

Order Code	Description	Devices Limit
OM-5	OpenManagement-5	5
OM-20	OpenManagement-20	20
OM-50	OpenManagement-50	50
OM-U	OpenManagement-Unlimited	Unlimited