

Alerton Building Suite

Features and highlights

- Real-Time Energy Management**
 Energy logs, demand limiting, optimum start, tenant activity and billing provide valuable insight and control into energy planning and consumption.
- Energy Dashboard (optional)**
 Energy consumption and other vital building data displayed visually for sharing with tenants, visitors and other stakeholders; supports LEED and other sustainability initiatives.
- Users and Groups**
 Create custom start displays for individual users or groups of users; restrict access to an authorized role or devices on a campus without having to use multiple servers; quickly change group membership on the fly by adding and subtracting individual users to a group.
- SQL Server Scalability**
 Enables users to utilize third-party reporting software such as Crystal Reports 2008.
- Comprehensive Graphics Library**
 Three-dimensional animated graphics provide users with a window into the complete system, providing instantaneous access to large amounts of system data, providing immediate status.
- 100% Native BACnet® Architecture**
 Alerton is a BACnet pioneer, providing BACnet integration and guidance for more than 15 years.



Alerton Building Suite is a comprehensive combination of proven Envision™ for BACtalk™ and WEBtalk™ software as well as the engineering tool BACtalk Builder. Envision for BACtalk is powerful operator workstation software for BACnet® systems. Use it to manage and control building equipment with flexibility and power. The WEBtalk system automatically reads building automation system (BAS) data from Alerton's BACtalk system and translates the data to web pages. Alerton's Building Suite allows Envision for BACtalk to act as a virtual computing environment that can host WEBtalk to economically provide web connectivity to any installation, regardless of job size. BACtalk Builder is Alerton's setup, configuration, and field checkout tool set designed specifically for installation and commissioning engineers to mass-produce an entire BACtalk project setup and device databases with minimal editing.

Alerton Building Suite provides displays that tell you at a glance how your building is performing. Actionable data supports your initiatives to reduce operating costs through continuous commissioning, and gives you access to utility demand notification.

The optional Alerton Building Suite Energy Dashboard enables up to 150 users to view live, real-time building data at a glance. The innovative dashboard is an interactive learning center that will help you increase your building stakeholders' awareness of their energy use. It encourages their participation and collaboration in understanding the impact of energy consumption trends by vividly comparing energy use over days, weeks and years. The Alerton Energy Dashboard hosts your data onsite and keeps it within your reach and control. You can use the energy dashboard as part of a LEED initiative or in concert with a comprehensive sustainability program.

Alerton Building Suite offers a rapid return on investment by enabling large reductions in operating costs and small investment in solution. Nearly limitless scalability addresses the smallest control job to the largest multi-site campus. Powerful, easy-to-use controls ensure occupant comfort while reducing operating costs.

Alerton Building Suite

Key features

Energy Dashboard (optional)

- **Powerful**
Enables up to 150 users to view live, real-time building data at a glance.
- **Flexible**
Define a variety of dashboard data including information from as many as 50 buildings, resources such as electricity, gas, oil and water, web-integrated weather, comparisons of current usage to historic data, educational messaging and more.
- **Security and control**
Hosts your own data onsite and keeps it within your reach and control; no need for third-party configuration and there are no subscription fees.



Energy

- **Scheduling**
Schedule weekly, holiday, and event schedules with a graphical calendar editor.
- **Trendlogs**
View trendlogs in graph or text format with multiple points per log. Archived in database format for compatibility with .mdb and .csv files.
- **Energy logs**
Hourly or daily energy use and demand displayed in text format. Archived in database format for compatibility with office applications.
- **Demand limiting**
Flexible demand metering supports various load types. Shed and restore binary and analog loads according to load priority. Base strategies on time of day or season. Spread setpoints for softer impact on comfort and equipment. View results in real time.

Connectivity

- **Network and connectivity**
BACnet Ethernet, PTP, Annex J BACnet/IP, modem, serial cable. Built-in Internet and wide area network (WAN) capabilities with BACnet/IP. Remote site

and roaming access with modem and direct serial connections.

- **Integration and interoperability**
BACnet-compliant. Features BACnet object exploring tool and BACnet configuring tool.
- **SQL Server support**
Migration to an Enterprise server improves system performance and offers a more robust, stable database, giving you better access to data; third-party custom reporting simplifies connectivity to an Alerton system. Recommended for jobs with more than 50,000 trendlog samples.
- **Active X**
Supports ActiveX interface to other Windows applications. Apps can be created to interact with building automation data.

Management

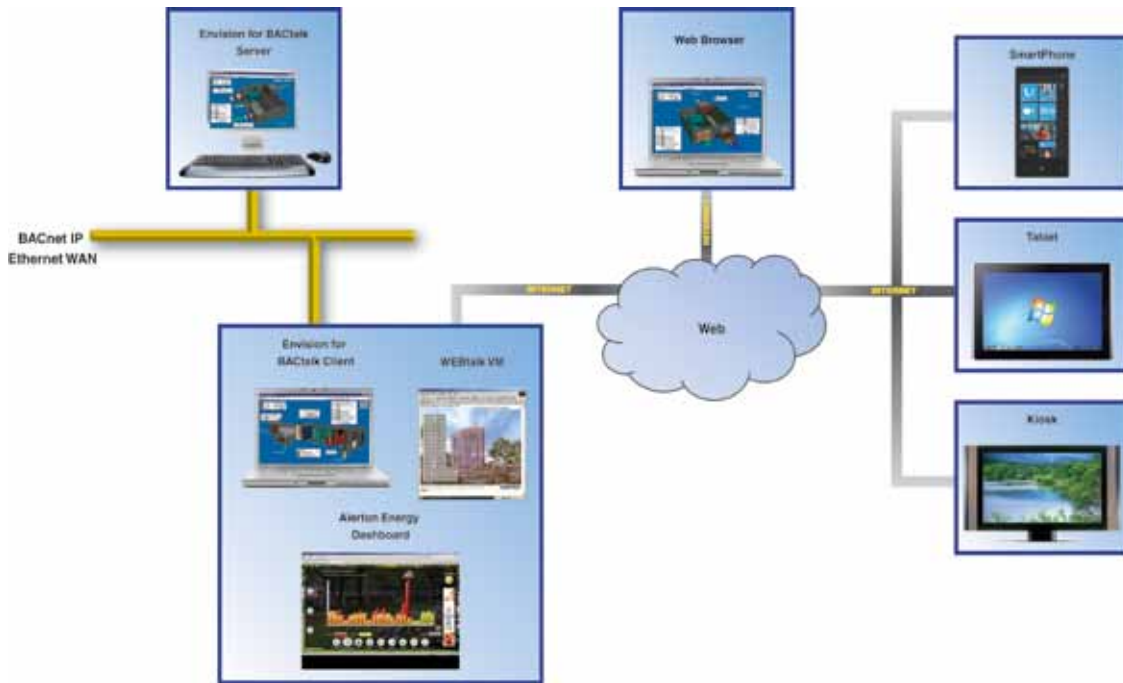
- **Display capability**
Unlimited 3D, animated custom data displays and resolution can be customized to suit any requirement and easily updated for equipment additions, moves and changes—dependent only on hard disk space and graphics hardware.
- **Alarms**
Alarms display regardless of currently running application. Dial out alarms to remote sites or modems. Customize alarm handling based on alarm type.
- **Optimum start**
Self-tuning optimum start algorithm adjusts equipment start time based on environmental factors, achieving optimum space conditions for occupancy.
- **Tenant activity**
Quickly set up and bill tenants for after-hours activity. Email or print tenant bills. View and adjust events before billing.
- **Zones**
Set up zones to schedule and control building operations intuitively.
- **Reporting and printing**
Extensive reporting capabilities enable you to generate recurring reports on virtually any aspect of system operation.
- **Auto archiving**
Automatically auto-archive trendlogs, energy logs, user activity and alarm history.
- **Job Merge**
Restore Utility automatically merges jobs when adding new devices, displays, buildings, etc.

Ratings

BTL B-AWS certification

Alerton Building Suite

Typical Alerton Building Suite architecture



Minimum and recommended system requirements

Product and Key Size (Part Number) Supported features	CPU Min.	RAM Min.	Free Disk Space Min.
	CPU Rec.	RAM Rec.	Free Disk Space Rec.
Alerton Building Suite 3 – Small (ABS-3-SMALL) 50 devices + 1 WEBtalk VM	1.6 GHz Core 2 Duo	2 GB	37 GB
	2.0 GHz Core 2 Duo	2 GB	52 GB
Alerton Building Suite 3 – Medium (ABS-3-MEDIUM) 150 devices + 1 WEBtalk VM	2.2 GHz Core 2 Duo	2.5 GB	54 GB
	2.66 GHz Core 2 Duo	4 GB	86 GB
Alerton Building Suite 3 – Large (ABS-3-LARGE)* Unlimited devices + 1 WEBtalk VM	Core i3-2100	4 GB	58 GB
	Core i7-860	6 GB	90 GB
Alerton Building Suite 3 – Enterprise (ABS-3-ENTERPRISE)* Unlimited devices + SQL Server interface + Unlimited WEBtalk VMs	Core i3-2100	4 GB	58 GB
	Core i7-860	6 GB	90 GB

* This recommended configuration for a Large or Enterprise job requires a 64-bit operating system.

If you use a static IP address for your WEBtalk browser network, you will need the IP network address, the IP subnet mask and the default gateway IP address. If you do not know these values, please contact the network IT administrator.

In addition to the IP address needed for the WEBtalk browser network (ETH0), you will need an IP address (on the same subnet) for the corresponding network interface card (NIC) on the host machine.

If you are configuring the system to use BACnet/IP, you will also need an IP address for the WEBtalk BACnet interface (ETH1).

Note See “Network scenario diagrams” in the *Alerton Building Suite Getting Started Guide* for more information.

Number of IP address needed for Alerton Building Suite

Network Setup	Number of IP Addresses Needed
BACnet/Ethernet with one physical NIC	2
BACnet/IP with one physical NIC	3
BACnet/Ethernet with two physical NICs	2
BACnet/IP with two physical NICs	4

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Computer requirements

Suggested

- Enterprise Server (supports heavy trending and/or alarm handling at very large sites using SQL Server)
- Windows 7 Professional, Windows Server 2008 R2, SQL Server 2008 R2
- Visio 2010
- Browser/client requirements: Internet Explorer v9.0 or later, Firefox v3.6 or later, Safari v2.0 or later (on Mac OS X). WEBtalk browsers: Internet Explorer 8.0, Firefox, Safari on Mac. WEBtalk mobile client support: Microsoft Mobile WAP browser, Blackberry

Minimum

Alerton Building Suite Server and Workstation minimum requirements

- Standard Server or Client (supports small or medium jobs using one Alerton Building Suite server)
- High-performance graphics adapter
- Network interface card (10/100 Mbps)
- Windows 7 Professional, Vista Professional, Windows XP Professional SP3, Windows Server 2008, SQL Server 2008
- Visio 2010 or 2007
- Browser/client requirements: Internet Explorer v7.0 or later, Firefox v2.0 or later, Safari v2.0 or later (on Mac OS X). WEBtalk browsers: Internet Explorer 6.x, 7.0, Firefox, Safari on Mac. WEBtalk PDA client support: Microsoft Mobile WAP browser, Blackberry

Ordering information

Item number	Description
ABS-3-SMALL	Alerton Building Suite 3 Small
ABS-3-MEDIUM	Alerton Building Suite 3 Medium
ABS-3-D-MEDIUM	Alerton Building Suite 3 Medium with dashboard
ABS-3-LARGE	Alerton Building Suite 3 Large
ABS-3-D-LARGE	Alerton Building Suite 3 Large with dashboard
ABS-3-ENTERPRISE	Alerton Building Suite 3 Enterprise
ABS-3-D-ENTERPRISE	Alerton Building Suite 3 Enterprise with dashboard
ABS-3-TECH	Alerton Building Suite Tech License

Specifications subject to change without notice



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