COMPASS™ SOFTWARE

Part of Alerton's BACtalk™ Ascent product line, Compass is a comprehensive, powerfully designed product that replaces Alerton Building Suite and Envision for BACtalk as the operator workstation of the future.

Graphical controls bring data to life. OmniGraphic images transform background images into interactive controls to visually communicate system status. Plus, with Alerton's OmniZoom, graphics automatically adjust to monitor display size for better visibility and system management.

Compass provides a familiar user experience through a standard user interface, enabling you to get users quickly up to speed on the software and your building's systems. Experienced users have access to advanced features such as the summary display which can provide a wide variety of complex, interactive data on one screen. Plus, with improved localization features, multiple Web-UI users can connect to the same Compass System using their native language and comfortable numeric formats.

Build dynamic graphics faster and easier with Compass' updated isometric graphics library. This library also serves as a foundation for users to build their own libraries. Compass supports many graphic formats and sizes and easily converts Alerton legacy graphics (bitmaps) to HTML 5 format, enabling you to quickly integrate graphical content to the web without using Flash and third-party plug-ins.

Compass offers a sophisticated toolset, featuring advanced alarm management and Lightweight Directory Access Protocol (LDAP) authentication, to support any mission critical facility, including those requiring FDA CFR21 compliance. Enhanced reporting and a secure SQL Database allow generation of compliance reports, while LDAP authentication enables scheduling of secure emails. Plus, Compass' detailed User Activity Log allows a full audit trail of all changes made to the system.

FEATURES AND HIGHLIGHTS

EASY TO USE
- Powerful alarm management through interactive alarm table allowing for sorting, filtering, categorizing.
- Configurable tree-style navigation provides intuitive and guided browsing sessions
- LDAP integration for managing user authentication
- Interactive table of data points allows users to sort table and command multiple points

DYNAMIC
- Create systems that are easy to upgrade and improve

ENERGY MANAGEMENT

TRENDLOGS View trendlogs in graph or text format with multiple points per log. Archived in database format for compatibility with office applications.

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 media. Shed and restore binary and analog loads according to load priority. Base strategies on time of day or season. View results in real time.

MANAGEMENT A wide range of building management tools are available, including:

- Display capability	- Zones
- Scheduling	- Reporting and printing
- Alarms	- Auto archiving
- Optimum start	- Job merge
- Tenant activity	- VisualLogic programming tool*

Note: Compass, configured for a Enterprise SQL database, supports the Alerton Engineering Services (AES) energy dashboard. An AES-built dashboard can help track energy usage and cost savings and can be customized for specific applications. For more information about AES services, email aes@alerton.com.

*VisualLogic requires Visio 2016 Standard (32bit) or Visio 2013 Standard (32bit).

TECHNICAL DATA

CONNECTIVITY

NETWORK BACnet Ethernet, BACnet/IP.

COMPUTER REQUIREMENTS

See the table below to determine minimum computer specifications for the primary Compass workstation. Additional memory is recommended for projects that have many concurrent users, displays, or templates.

For example, a project that has ten or more users and 100 or more displays and templates may need additional memory. For Compass client workstations, use a computer with a dual-core processor and at least 4GB RAM.

Compass Model	BACnet Devices	Operating System	CPU Cores	Memory
COMPASS-1-ENT	up to 3000*	64-bit Win7 (Pro/Ent) Win10 (Pro/Ent) Win Server 2012R2 Win Server 2016	Eight-core	32GB
COMPASS-1-XL	up to 1000		Eight-core	16GB
COMPASS-1-LG	up to 450		Quad-core	16GB
COMPASS-1-MD	up to 150		Quad-core	8GB
COMPASS-1-SM	up to 50		Quad-core	8GB
COMPASS-1-XS**	up to 25		Quad-core	8GB
COMPASS-1-XXS**	up to 10		Quad-core	8GB

*NOTE: The number of supported devices in the Enterprise model can be extended in 1000 device increments by applying one or more device packs (COMPASS-1-ENTDP).

**NOTE: SQL support for Enterprise database configuration not available with COMPASS-1-XS and COMPASS-1-XXS.

SUPPORTED MS-SQL VERSIONS

MS-SQL 2017, MS-SQL 2016, and MS-SQL 2014 (Standard and Enterprise versions)

SUPPORTED BROWSERS

DESKTOP	Microsoft Internet Explorer (v11)
	Google Chrome (latest version)
	Microsoft Edge (Win10 only)
MOBILE/TABLET	Google Chrome (latest version)
	Safari
	iOS (latest version)
	Android (latest version)

Specifications subject to change without notice.

ORDERING INFORMATION*

ITEM NUMBER

COMPASS-1-ENT	Enterprise license, up to 3000 devices + Advanced Reporting
COMPASS-1-XL	Extra Large license, up to 1000 devices
COMPASS-1-LG	Large license, up to 450 devices
COMPASS-1-MD	Medium license, up to 150 devices
COMPASS-1-SM	Small license, up to 50 devices
COMPASS-1-XS	Extra-small license, up to 25 devices (does not support SQL Enterprise database configuration)
COMPASS-1-XXS	Extra-extra-small license, up to 10 devices (does not support SQL Enterprise database configuration)
COMPASS-1-ENTDP	Add-on for Enterprise license only (COMPASS-1-ENT) to support an additional 1,000 devices
COMPASS-1-ADVREP	Advanced Reporting add-on for COMPASS-1-SM/MD/LG/XL
EASE-1-*	Advanced Scheduling add-on for Compass-1-SM/MD/LG/XL/ENT

* refer to EASE data sheet for specific license models

FLEXIBLE, POWERFUL SOFTWARE FOR BACNET-BASED BUILDING MANAGEMENT SYSTEMS.

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