



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, and commenting.
- Configurable tree-style navigation provides intuitive and guided browsing sessions.
- LDAP integration for managing user authentication.
- Interactive table of data (Summary Page) allows users to sort table and edit the value of multiple points in a single operation.

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 or Pro (32 bit)
Visio 2019 Standard or Pro (32 bit)

TECHNICAL DATA

CONNECTIVITY

NETWORK BACnet/Ethernet, BACnet/IPv4 and BACnet/IPv6; can be configured to act as a BACnet Broadcast Management Device (BBMD).

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.

In regard to Operating Systems – Alerton strongly recommends using the most up-to-date Windows OS; be it Windows 10 or Windows Server 2019 for the Compass Primary Workstation (server). For Secondary Workstations (client) Alerton recommends Windows 10.

Compass Model	BACnet Devices	Operating System	CPU Cores**	Memory**
COMPASS-1-ENT	up to 3000*	64-bit	Eight-core	32GB
COMPASS-1-XL	up to 1000	Windows 10 (Pro/Ent)	Eight-core	16GB
COMPASS-1-LG	up to 450	Windows Server 2019	Quad-core	16GB
COMPASS-1-MD	up to 150	Windows Server 2016	Quad-core	8GB
COMPASS-1-SM	up to 50	Windows Server 2012 R2	Quad-core	8GB
COMPASS-1-XS***	up to 25		Quad-core	8GB
COMPASS-1-XXS***	up to 10		Quad-core	8GB

*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).

** CPU Cores and Memory recommendations are minimums – increasing the number of cores and amount of memory improves performance and provides for a better user experience.

*** All Compass licenses support SQL Enterprise database configuration; except for COMPASS-1-XS and COMPASS-1-XXS.

SUPPORTED MS-SQL VERSIONS

MS-SQL Server 2017

MS-SQL Server 2016

MS-SQL Server 2014 SP3

(The above include Express, Standard, and Enterprise versions)

NOTE: If the MS-SQL Server and Compass are installed onto the same machine, the memory must be increased by 4GB - 16GB (depending on the version) and you may require additional storage capacity.

SUPPORTED BROWSERS

Chrome (latest version)

NOTE: Compass is designed, developed, and tested to function best using the Chrome browser. Other browsers may be compatible; however, Alerton strongly recommends Chrome.

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
EASE-1-*	Advanced Scheduling add-on for Compass-1-SM/MD/LG/XL/ENT

* refer to EASE data sheet for specific license models



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