**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
- Scheduling
- Alarms
- Optimum start
- Tenant activity
- Zones
- Reporting and printing
- Auto archiving
- Job merge
- 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.

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.

### ORDERING INFORMATION*

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

* refer to EASE data sheet for specific license models

### TECHNICAL DATA

**CONNECTIVITY**

**NETWORK** BACnet Ethernet, BACnet/IP.

**COMPUTER REQUIREMENTS**

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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.

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

*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.