

# COMPASS 2

Alerton's Compass Supervisor provides an intuitive, scalable user experience. Compass delivers customizable navigation, visual system cues, quick access to data, user security, advanced scheduling, alarm management and graphical representation of single or multiple buildings' systems. These features enable building operators and facility engineers to quickly identify and resolve system issues, while improving efficiencies and reduce budgets through an advanced scheduling interface.

Graphical controls bring data to life. The adaptive OmniGraphic images transform background images into interactive controls to visually communicate and indicate system status and occupant comfort levels. 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. Seamlessly 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 tool set to support any mission-critical facility, including those requiring FDA CFR21 compliance. Enhanced reporting and a secure SQL Database allow the generation of compliance reports, while LDAP authentication enables the scheduling of secure emails. With improved localization feature, multiple Web-UI users can connect to the same Compass System using their native language and comfortable numeric formats. An interactive table of data (Summary Page) allows users to sort tables and edit the value of multiple points in a single operation. Provides detailed User Activity Log allows a full audit trail of all changes made to the system.

Compass is a powerful, dynamic interface enabling users to monitor and control their facilities from anywhere, at any time. Compass incorporates the latest browser technology and is truly a marriage of current technologies and building automation - offering an unparalleled user experience.

## 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 the real time.



## NEW WITH COMPASS 2

- The new Installation and Configuration tool helps to reduce the install or upgrade time to complete sites efficiently.
- Alarm and Trendlog Builder: New efficient way to efficiently create and edit multiple Alarms and Trendlogs work-flow at a time.
- EASE Scheduling is now included as a standard feature in Compass 2.
- Updated Compass architecture makes BACnet data available faster in the Web-UI, improving data display performance.

## FEATURES AND BENEFITS



### 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.



### 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, and VisualLogic® programming tool.



### DYNAMIC

Create systems that are easy to upgrade and improve. Build dynamic graphics faster and easier with Compass' isometric graphics library. Supports multiple graphic formats and sizes.

# ALERTON

# TECHNICAL DATA

## CONNECTIVITY

SUPPORTED PROTOCOLS
BACnet/Ethernet, BACnet/IPv4 and BACnet/IPv6; can be configured to act as a BACnet Broadcast Management Device (BBMD).
SUPPORTED BROWSERS
Chrome (latest version) <b>NOTE:</b> Compass is designed, developed, and tested to function best using the Chrome browser. Other browsers may be compatible; however, Alerton strongly recommends the Chrome browser.
SUPPORTED MS-SQL VERSIONS
<ul style="list-style-type: none"><li>MS-SQL Server 2019</li><li>MS-SQL Server 2017</li><li>MS-SQL Server 2016</li><li>MS-SQL Server 2014 SP3</li></ul> (The above include Express, Standard, and Enterprise versions) <b>NOTE:</b> 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.

## SERVICE MAINTENANCE AGREEMENT

New and upgrade Compass licenses come with 30 months of Software Maintenance Agreement (SMA). Please refer to the Order Codes list for further Software Maintenance Agreement as per license size.

ORDER CODES	DESCRIPTION
COMPASS-2-SMAXXS	Software Maintenance Agreement (SMA) for Extra-Extra Small license (1 year)
COMPASS-2-SMAXS	SMA for Extra Small license (1 year)
COMPASS-2-SMASM	SMA for Small license (1 year)
COMPASS-2-SMAMD	SMA for Medium license (1 year)
COMPASS-2-SMALG	SMA for Large license (1 year)
COMPASS-2-SMAXL	SMA for Extra-Large license (1 year)
COMPASS-2-SMAENT	SMA for Enterprise license (1 year)

## ORDERING INFORMATION AND COMPUTER REQUIREMENTS

ORDER CODES	DESCRIPTION	CPU CORES <sup>(1)</sup>	MEMORY <sup>(1)</sup>	OPERATING SYSTEM
COMPASS-2-XXS	Compass 2, Extra-Extra Small license, support up to 10 BACnet devices	Quad-core	8 GB	Windows 11 (Pro/Ent) <sup>(3)</sup>
COMPASS-2-XS	Compass 2, Extra-Small license, supports up to 25 BACnet devices	Quad-core	8 GB	
COMPASS-2-SM	Compass 2, Small license, supports up to 50 BACnet devices	Quad-core	8 GB	
COMPASS-2-MD	Compass 2, Medium license, supports up to 150 BACnet devices	Quad-core	8 GB	
COMPASS-2-LG	Compass 2, Large license, support up to 450 BACnet devices	Quad-core	16 GB	
COMPASS-2-XL	Compass 2, Extra-large license, support up to 1000 BACnet devices	Eight-core	16 GB	
COMPASS-2-ENT	Compass 2, Enterprise license, support up to 3000 BACnet devices <sup>(2)</sup>	16-core	32 GB	
COMPASS-2-UPGTOXXS	Upgrade to Compass 2 Extra-Extra Small (Up to 10)	Quad-core	8 GB	64-bit Windows 10 (Pro/Ent) <sup>(3)</sup>
COMPASS-2-UPGTOXS	Upgrade to Compass 2 Extra-Small (Up to 25)	Quad-core	8 GB	
COMPASS-2-UPGTOSM	Upgrade to Compass 2 Small (Up to 50)	Quad-core	8 GB	
COMPASS-2-UPGTOMD	Upgrade to Compass 2 Medium (Up to 150)	Quad-core	8 GB	Windows Server 2022
COMPASS-2-UPGTOLG	Upgrade to Compass 2 Large (Up to 450)	Quad-core	16 GB	
COMPASS-2-UPGTOXL	Upgrade to Compass 2 Extra-Large (Up to 1000)	Eight-core	16 GB	Windows Server 2019
COMPASS-2-UPGTOENT	Upgrade to Compass 2 Enterprise (Up to 3000 <sup>(2)</sup> )	16-core	32 GB	
COMPASS-2-UXS <sup>(4)</sup>	Upsize from Compass-2-XXS to Compass-2-Extra Small (Up to 25)	Quad-core	8 GB	Windows Server 2016
COMPASS-2-USM <sup>(4)</sup>	Upsize from Compass-2-Extra Small to Compass-2-Small (Up to 50)	Quad-core	8 GB	
COMPASS-2-UMD <sup>(4)</sup>	Upsize from Compass-2-Small to Compass-2-Medium (Up to 150)	Quad-core	8 GB	
COMPASS-2-ULG <sup>(4)</sup>	Upsize from Compass-2-Medium to Compass-2-Large (Up to 450)	Quad-core	8 GB	
COMPASS-2-UXL <sup>(4)</sup>	Upsize from Compass-2-Large to Compass-2-Extra-Large (Up to 1000)	Eight-core	16 GB	
COMPASS-2-UENT <sup>(4)</sup>	Upsize from Compass-2-Extra-Large to Compass-2-Enterprise (Up to 3000 <sup>(2)</sup> )	16-core	32 GB	

<sup>(1)</sup> CPU Cores and Memory recommendations are minimums - increasing the number of cores, and the amount of memory improves performance and provides a better user experience. Additional memory is recommended for projects with many concurrent users, displays, or templates. For example, a project with ten or more users and 100 or more displays and templates may need additional memory.

<sup>(2)</sup> The number of supported devices in the Enterprise model can be extended in 1000 device increments by applying one or more device packs at any time (COMPASS-2-ENTDP).

<sup>(3)</sup> The web-server (IIS) provided in Windows 10 and Windows 11 (Professional or Enterprise versions) has a limitation of 10 concurrent browser sessions, i.e. total number of browser sessions/tabs open across all logged in users. If there is a requirement to have more than 10 concurrent browser sessions, install Compass on a supported Windows Server OS (Server 2016, 2019, or 2022).

<sup>(4)</sup> Upsize licenses do not include an additional Software Maintenance Agreement.

## ALERTON

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