

Desigo CC Compact for Building Automation (BA)

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The Desigo CC Compact BA management station provides integrated building management from a flexible, easy-to-use interface that allows users to:

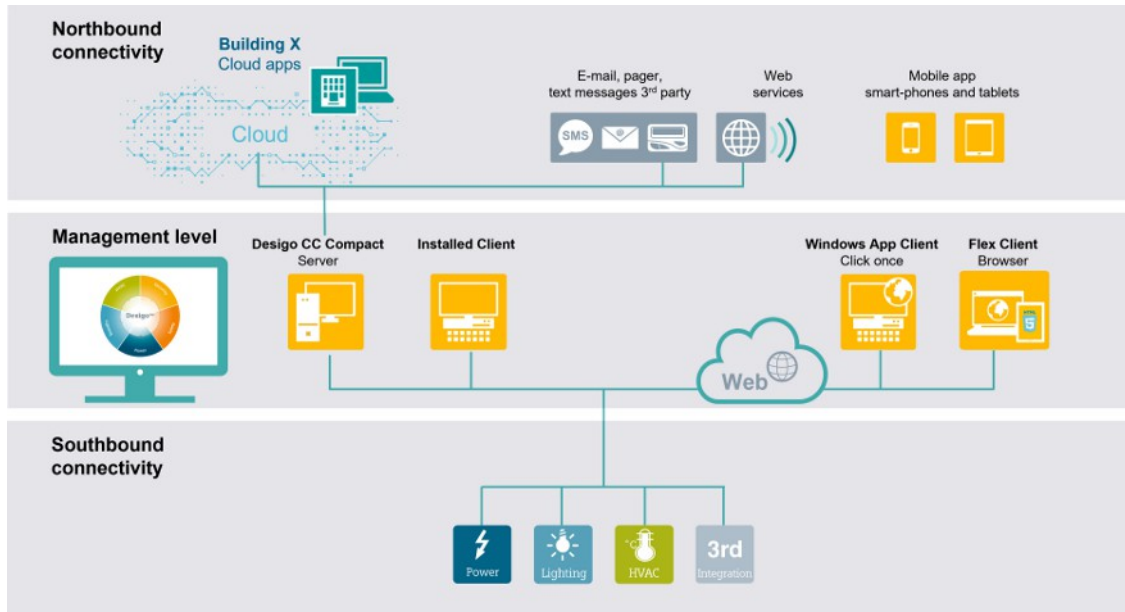
- Operate and monitor the building infrastructure graphically
- Guide operators in the handling of critical situations
- Detect, visualize, and acknowledge/reset faults and alarms
- Collect, visualize, and compare online and offline Trend data
- Create schedules to automate building operation and configure exceptions
- Create and configure standard performance reports
- Store and retrieve system activity data, and view data logs
- Send automatic notifications via email, SMS, and pagers
- Participate in the Internet of Things through open APIs and custom adapters

General Description

Designo CC Compact for Building Automation (BA) offers full integration of building automation, while also supporting open standards such as BACnet, OPC, Modbus, and many more. Three different client variants are available. The installed client and the Windows Desktop All Client provide the same user interface. The browser-based Flex Client is based on HTML5 technology and combines the proven operating concepts with a new user experience. Additionally, web interfaces provide increased flexibility for operation and future extensions such as mobile applications for tablets and smartphones.

System Architecture

Designo CC Compact BA is a single-station system designed to augment existing building infrastructure and integrate with standard IT hardware, software, and networks. The open, adaptable architecture can support virtual IT environments and advanced networks.



System Capabilities

- Multi-language support
- Web and remote access from mobile clients
- Connectivity to Building X open platform. This means that selected data from Designo CC Compact BA can be shared with all cloud-based Building X applications, like for example, Operations Manager or Energy Manager
- Open-data libraries designed for extensions and integrations
- Southbound connectivity through BACnet, BACnet/SC, OPC DA and UA, Modbus, HTTP(S), SNMP, KNX, HTML5, S7 and S7 Plus standards, and SDK to develop sub-system extensions
- Powerful features such as advanced event management, Mobile App, remote notifications, reports, log viewer, scheduling, long-term storage, user management
- Consistent user interface concept across all applications, with graphic-oriented operation workflows
- Online graphics engineering, including data discovery
- Support for Siemens and third-party building automation and other integrated systems
- Northbound connectivity through RESTful Web Services interfaces (for example, Power BI Connector)
- Support of authentication via most common OIDC providers (Google, Microsoft, Amazon...)
- Consolidated Ecosystem program and network to share and expand subsystem extensions, applications, utilities, and tools

Certifications and Approvals

Desigo CC Compact BA has been tested against a wide range of domain- and country-specific norms and standards, including:

- IT security compliant with the ISA-99/IEC 62443 Security Level 2 (SL2)
- BACnet Protocol Revision 1.20, certified by BACnet Testing Laboratory as BACnet Cross-Domain Advanced Workstation Software (B-XAWS, B-AWS, B-ALSW, B-AACWS, B-RTR, B-BBMD)
- AMEV recommendation BACnet 2017 compliant with Management Operation Unit (MOU-B) profile
- OPC DA V2.05a and V3.0 Server, certified by the OPC Foundation certification program

Technical Data

Operating System Compatibility

The Server and Installed Clients run on the following Microsoft operating systems and editions:

- Microsoft® Windows 10 64-bit (Enterprise and IoT Enterprise LTSC editions)
- Microsoft® Windows 11 (Pro Enterprise and IoT Enterprise)
- Microsoft® Windows Server 2019
- Microsoft® Windows Server 2022
- Microsoft® Windows Server 2025

Flex Clients and Windows App Clients run on the following Microsoft operating systems and editions:

- Microsoft® Windows 10 64-bit (Enterprise and IoT Enterprise LTSC editions)
- Microsoft® Windows 11 (Pro and Enterprise)

Server Hardware Requirements (minimum recommendation)

Physical Machines

- Hard disk: 1 x SSD 256 GB (client); 1 x SSD 512 GB to 2 TB (server)
- RAM: 8 GB (client); 16 GB (small or medium-sized server); 32 GB (large-sized server); 64 GB (distributed system)
- Processor:
Server-grade CPU like Intel Xeon or AMD EPYC (or equivalent),
CPU Mark $\geq 13,000$, Single Thread Rating $\geq 2,300$,
 ≥ 2 cores (client), ≥ 4 cores (server)

Embedded Hardware (limited to 10,000 system objects)

- Hard disk: 256 GB SSD
- RAM: 16 GB
- Processor: Celeron 6600HLE @ 2.10 GHz cores (or equivalent)

Virtual Machines

- Hard disk: 1 x SSD 256 GB (client); 1 x SSD 512 GB to 2 TB (server)
- RAM: 8 GB (client); 16 GB (small or medium-sized server); 32 GB (large-sized server); 64 GB (distributed system)
- Processor:
 ≥ 4 vCPUs assigned to the VM

Microsoft SQL Server Compatibility

Microsoft SQL Server 2022 Express is free and included with the installation media. Additional supported SQL version and editions are:

- Microsoft® SQL Server 2019 (Express, Standard, and Enterprise)
- Microsoft® SQL Server 2022 (Express, Standard, and Enterprise)

Resources

For the latest information about Building Products and Siemens Smart Infrastructure, visit our [Building Products](#) site.

For other datasheets, see the following:

- Cerberus® DMS
- Desigo CC™
- Desigo CC™ Compact DMS
- Desigo CC™ Compact Validated Monitoring
- Desigo CC™ Compact for Electrical applications

For more information, refer to your local sales organization.

Ordering Information

For ordering information related to Desigo CC™ Compact BA, please visit our online tool [HIT](#).

Cybersecurity Disclaimer

Siemens' portfolio undergoes continuous development to make it more secure. Siemens strongly recommends that updates are applied as soon as they are available and that the latest versions are used. Use of versions that are no longer supported, and failure to apply the latest updates may increase your exposure to cyber threats. Siemens strongly recommends compliance with security advisories on the latest security threats, patches, and other related measures—published, among others, under <https://www.siemens.com/cert/> => 'Siemens Security Advisories'.