

Desigo CC™

Desigo CC™ Compact for Building Automation (BA)

P55802-Y113-A100



The Desigo™ CC Compact BA management station provides an integrated approach to managing and controlling facilities from a flexible, easy-to-use interface that allows users to:

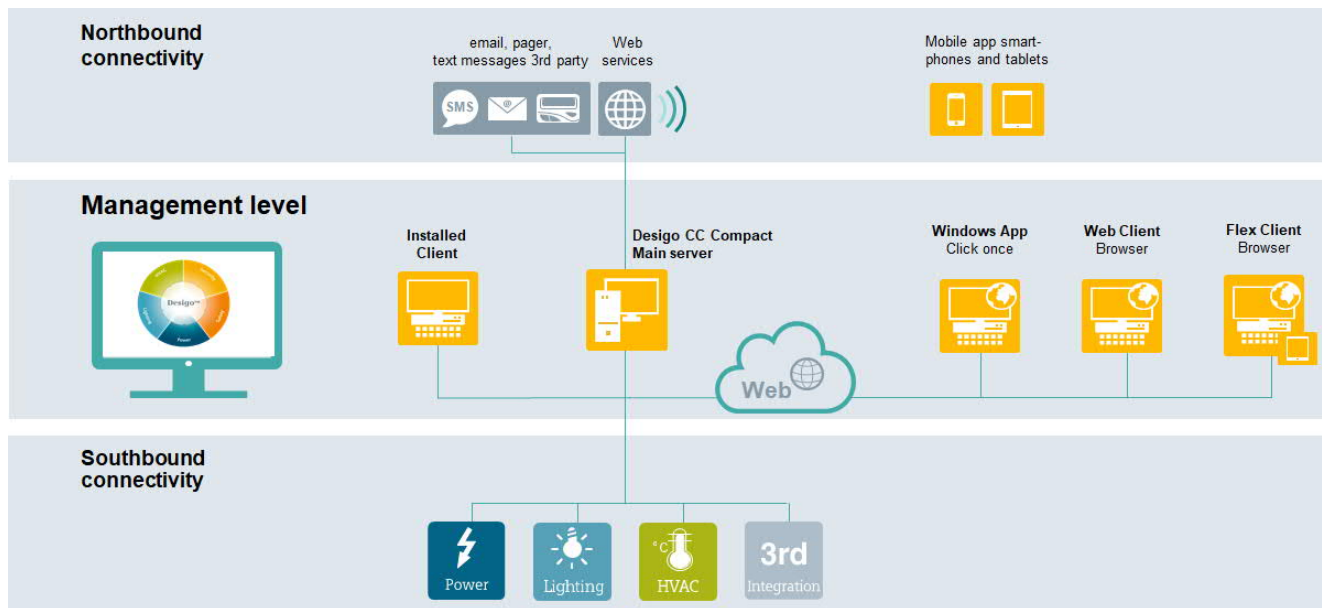
- Operate and monitor the building infrastructure graphically
- Guide operators in the handling of critical situations
- Detect, visualize, and acknowledge/reset faults and alarms
- Collect, visualize, and compare online and offline Trend data
- Create schedules to automate building operation and configure exceptions
- Create and configure standard performance reports
- Store and retrieve system activity data, and view data logs
- Send automatic remote 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 in the southbound open standards such as BACnet, OPC, Modbus, and many more. Options are available for dedicated, browser-based, and Windows desktop app clients using the same user interface. 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
- Open-data libraries designed for extensions and integrations
- Support for BACnet, OPC, Modbus, HTTP(S), M-bus, KNX, S7, HTML5
- 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
- Southbound open interfaces and SDK to develop subsystem extensions
- Consolidated Ecosystem program and network to share and expand subsystem extensions, applications, utilities, and tools

Certifications and Approvals

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

- BACnet Revision 1.15, certified by BACnet Testing Laboratory as BACnet Advanced Workstation Software (BTL B-AWS)
- IT security compliant with the ISA-99/IEC 62443 Security Level: SL1
- OPC DA V2.05a and V3.0 Server, certified by the OPC Foundation certification program

Technical Data

All systems should be dimensioned according to project size, and you should maintain OS compatibility until Microsoft retires the product.

Operating System Compatibility

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

- Microsoft® Windows 7 64-bit (Professional and Enterprise)
- Microsoft® Windows 10 64-bit (Professional and Enterprise)
- Microsoft® Windows 10 IoT Enterprise 2016 LTSC
- Microsoft® Windows Server 2012 R2 64-bit
- Microsoft® Windows Server 2016 64-bit
- Microsoft® Windows Server 2019 64-bit

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

- Microsoft® Windows 7 64-bit (Professional and Enterprise)
- Microsoft® Windows 10 64-bit (Professional and Enterprise)

Hardware Requirements (minimum recommendation)

Physical Machine

- Hard disk: 64 GB SSD
- RAM: 8GB
- Processor: Intel Atom E3827

Virtual Machines

- Hard disk: 1 x 1024GB SSD
- RAM: 16GB
- Processor: 4 vCPUs assigned to the VM ≥3.2 GHz

Microsoft SQL Server Compatibility

Microsoft SQL Server 2014 R2 Express is free and included with the DVD image. Additional supported SQL version and editions are:

- Microsoft® SQL Server 2012 (Express, Standard and Enterprise)
- Microsoft® SQL Server 2014 (Express, Standard and Enterprise)
- Microsoft® SQL Server 2016 (Express, Standard and Enterprise)
- Microsoft® SQL Server 2017 (Express, Standard and Enterprise)

Ordering Information

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

Resources

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

For other datasheets, see the following:

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

For more information, refer to your local sales organization.

Cyber Security 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/en/cert-security-advisories.htm>.

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