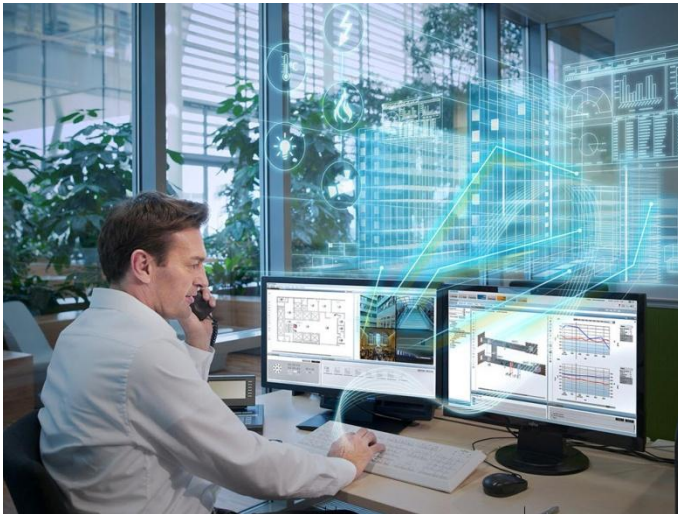# SIEMENS

Desigo CC Management Station Software

Description

Desigo™ CC management station software provides an integrated approach to managing and controlling facilities from a flexible, easy-to-use interface. Desigo CC provides facility-wide efficiencies, cost effective information sharing, improved event management and decision making.

· Class-leading workflow-oriented user interface enables fast and accurate operation and event handling.

· Full integration of building automation, fire safety, access control, and video systems.

· Support for the leading open standards: BACnet, OPC, Modbus, ONVIF and SNMP.

· Incorporates the latest IT technologies.

· ULC Listed to ULC-S527 Standard for Control Units and Fire Alarm systems 2nd & 3rd Edition and ULC-S559 Equipment for Fire Signal Receiving Centre and Systems 3rd Edition

· Multiple client options for dedicated, browser-based, and Windows desktop app clients with the same user interface.

Key Features

Desigo CC is an integration platform, designed to support installation of independent extension modules that personalize the software to meet the needs of each facility. The functionality available on any given system is determined by which extension modules are installed. Typical Desigo CC installations include extension modules that support building automation, fire alarm, card access, and video functionality.

Desigo CC for Building Automation

Desigo CC is an integral component of the APOGEE Automation System. As a building automation management station, Desigo CC provides a full breadth of application support for ensuring that facilities remain comfortable, productive, and achieve optimal energy and equipment performance. A well-defined user interface, coupled with standard protocol support, integration capabilities, and multiple client options that allow full operation and configuration from anywhere, make Desigo CC the perfect tool for maintaining facility operation.

- Graphically monitor and control the building automation infrastructure
- Receive notification and manage alarms recognized by the automation system
- Schedule and modify mechanical equipment operation
- Collect, view, analyze and compare trend information
- Make management decisions with information and reporting capabilities
- Store and retrieve long-term information

Desigo CC for Fire Safety with Integrated Access Control and Video

Desigo CC is designed and UL/ULC Listed for use with Desigo Fire Safety, FireFinder XLS and MXL fire life safety systems. In a UL/ULC Listed configuration, Desigo CC software runs on specialized workstation hardware that has passed rigorous performance and environmental testing by Underwriters Laboratories. In this configuration, Desigo CC workstations are UL/ULC Listed for fire alarm and security protective signaling and can be used to monitor and control fire alarm and life safety systems.
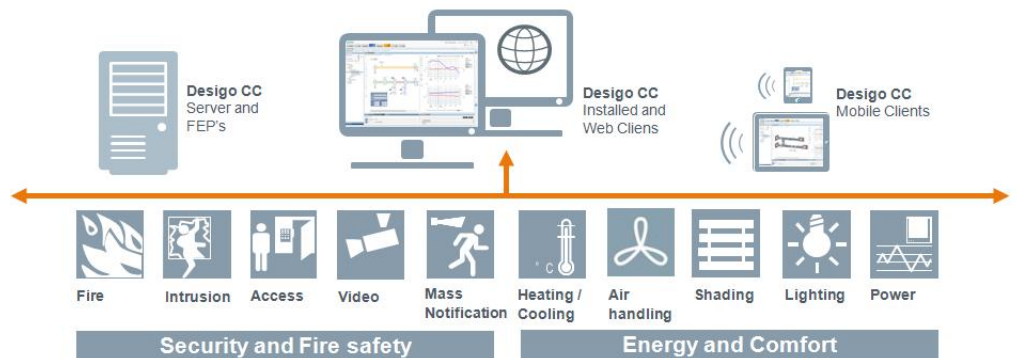
- Highest priority events are highlighted so operators always know where to start
- Event visualization and event treatment (Acknowledge, Silence, and Reset)
- Graphically monitor and control the life safety and access control systems
- Arm and Disarm life safety and access control system devices
- View and schedule automatic Detector Sensitivity and History reports
- Assisted Event Treatment guides users directly to standard operating procedures
- Store and retrieve fire alarm and security system activity data
- Distribute fire monitoring and control capabilities across a network of UL/ULC Listed and ancillary Desigo CC workstations
- Automatic remote notification of responders through email, SMS, and pagers
- Seamless integration to live and recorded video

Desigo CC for Combined Automation, Fire Safety, Card Access, and Video Systems

As an integration platform, Desigo CC is designed for simultaneous connection to multiple systems and use by multiple operators, each with their unique focus.

Through state of the art platform architecture and user interface design, Desigo CC provides a common user experience for all of your building systems, while allowing you to distribute access and applications to provide just the right environment for every situation. Whether they are monitoring life safety events, ensuring optimal comfort and building performance, or modifying system configuration, the flexible user interface of Desigo CC provides users exactly what they need, all in a harmonized interface that's easy to learn and easy to use.

- Harmonize and prioritize events received from multiple systems in a common view
- Notify facilities and staff of the most critical system events
- Guide users to all available information including maps, reports, and live and recorded video
- Graphically monitor and control all building systems from a single interface
- Track and view history of environmental conditions (trends), events, and operator activity from all systems
- Program common schedules and intelligent responses between building systems
- Distribute processing and system management among multiple independent servers that work together as a common server

Applications

Event Management

Desigo CC provides a robust set of applications to ensure quick, easy, and accurate response to any events.

Client Profiles - Workstations and users can be easily assigned predefined profiles supporting casual, intermediate, or dedicated event management notification and management.

Summary Bar - The anchor of Desigo CC event management. It highlights current conditions with clear indication of current event priorities, and allows you to quickly open the Event List.

Event List - Provides a complete or easily filtered list of events under control of the management station, including a clear indication of each event source, severity, and current status. Events can be acknowledged, silenced, and reset from the Event List.

Event Bar - The Event List can be collapsed into a condensed list that remains docked on the desktop for easy access. This patented design keeps current situations in focus at all times.

Assisted Treatment with Operating Procedures – Provides a predefined sequence of steps, that the operator must or is suggested to perform. For each step of a procedure, the operator can check-off completion and enter notes that are permanently logged in the system activity log.

Remote Notification - Desigo CC can be configured to automatically or manually send email, SMS messages, or pages to first responders. In addition to simple notification, notification can also be escalated to second level responders when necessary, and be responded to with a simple reply.

System Management

The System Manager application is used for navigating the system to view and override current conditions, analyze historical operation, and to configure the system. The System Manager is built around a simple and consistent workflow that allows you to select from traditional applications, or select the part of the facility they are interested in and let the system guide them to the most relevant information.

Graphics - Desigo CC graphics are built using smart objects that know how they are used and how to represent themselves graphically. The use of smart objects allows you to create graphics by simply dragging and dropping objects onto a page, without manually binding object to graphical symbols. Desigo CC also provides a powerful AutoCAD importing tool that allows you to select and manipulate layers of AutoCAD drawings during and after the import process.

Text Viewer - Provides a quick summary of current value and status of any selected object(s) without any prior system configuration. This is a handy tool for getting an overview of system status.

Trend Viewer - Both panel-based and workstation-based Trending is provided to support control systems without embedded Trend capabilities. Trend data is stored in a Microsoft SQL Server database. The Trend Comparison View allows you to time shift the Trend view to compare data at different times for quick analysis of changing conditions.

Log Viewer – Provides the ability to view history of events, system operations, and operator activity

Scheduler - Allows complete configuration and monitoring of standard BACnet schedule, calendar, and command objects, as well as for workstation base schedules that can be used to support systems without built-in scheduling capabilities. Schedules are automatically associated to systems they control, so you can quickly navigate to schedules related to any selected object.

Reports - Includes standard reporting templates and allows for creating fully configurable reports, with custom logos, headers, footers, and layouts that include tabular and graphical system information. Reports can be scheduled, and saved in CSV or PDF formats for future use.

Video Surveillance - Users can monitor and operate video streams, video devices including cameras and monitors and the video recording archive. Live video streams, camera groups and sequences, PTZ and preset operations as well as recording and replay operations such as recording commands, tagging and recording bookmarks and search and replay of video recordings are supported.

Operating and Engineering Modes - Two distinct modes of behavior are provided. Operating Mode allows you to navigate the system to view and override current conditions, and analyze historical operation, without the complexities of managing system configuration. In Engineering Mode users can set up system parameters and manage user accounts. The same common workflow is used in both Operating and Engineering modes.

Macros, Reactions, and Scripts – Pre-build and custom logic can be configured and executed at the management station to automate operator tasks, make decisions based input from connected system, and trigger automatic interactions between systems. Logic can range from time-based triggers to simple If-Then analysis to custom JavaScript programming.
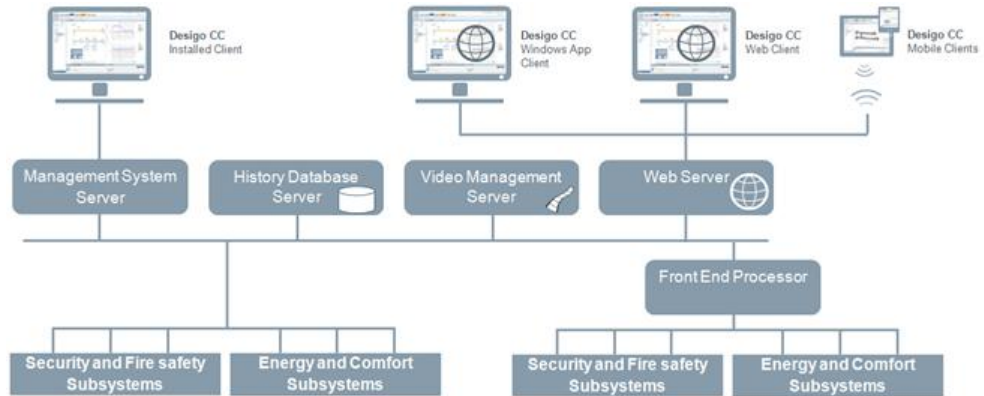
Auto-Discovery

The Desigo CC database can be created manually, imported through data exchange files, or uploaded through a selective auto-discovery mechanism depending on the type of system being connected.

A unique, extensible object modeling approach allows Desigo CC to normalize information brought in through any interface, and to provide the same look, feel and operation through a common set of applications, without concern for the source of the data.

System Architecture

Desigo CC can be installed completely on one computer, or configured in a flexible client-server architecture for building automation and fire safety applications allowing configurations from small single-seat to large multi-user installations. System components can be installed together or on separate devices.

Management Station Application Server

The management station server can be installed on standard server or PC hardware, in a virtual machine environment, or on a dedicated UL Listed workstation.

A Desigo CC installation can have a single server, or be configured with multiple servers in a distributed configuration. Distributed servers can be used to distribute processing power, to segregate systems by or geographical or departmental boundaries, or to separate servers used for different disciplines – most frequently to isolate UL/ULC Listed fire workstations from less restrictive components.

Web Server

A web server is required to use the Desigo CC Web and Windows App Clients or to host the Web Services API. Desigo CC Web Server is based on Microsoft Internet Information Services (IIS).

Front End Processor (FEP)

A Front End Processor is an extension to the Desigo CC Server that provides additional resources to connect subsystems. Additionally, FEP can be used as a bridge to connect an IIS to Desigo CC.

History Database Server

The History Database Server manages historical data collected from subsystems and user activities. The Server uses Microsoft SQL to store, manage and maintain the historic data of the system. The Desigo CC Database Service runs on the Desigo CC Server and connects to a Microsoft SQL Server hosting the History Database (HDB).

Client Options

Dedicated Clients - Designed for mission critical applications, like UL Listed fire safety monitoring or critical process control. Dedicated Clients can be configured to run in a "Closed Mode", where only Desigo CC and other specifically identified applications are allowed to run.

Browser Clients - For users who demand greater flexibility in their system access, Desigo CC software can run in Internet Explorer. Users working in a browser can have the same capabilities as those working on a dedicated client installation, or can be restricted to have different access when connected remotely.

Windows Desktop Application - A light application that can be downloaded from the Desigo CC server when connecting through a browser. When the desktop application is downloaded, it runs like any other Windows application on your desktop. It can be launched from the Start menu, desktop icon, Quick-launch toolbar, etc.

Open Integration Platform

Desigo CC is an open system by design and supports a variety of open system protocols and IT standards.

Open System Standard Protocols

- **BACnet**. Certified by BACnet Testing Laboratory as BACnet Advanced Workstation Software (BTL B-AWS), including support for Life Safety Points and Life Safety Zones.
- **OPC Client** OLE for Process Control OPC DA 2.0
- **OPC Server** OLE for Process Control OPC DA V2.05/V3.00
- **Modbus**. Supported using PXC controller
- **XNET**. FireFinder XLS and MXL fire safety systems
- **OnVIF**. Standard for IP video camera systems
- **Axis**. Standard for Axis video camera systems

IT Standards

- **SNMP (V1 and V2)**. IP device monitoring
- **WMI**. Computer hardware monitoring
- **SMTP**, **PO3**, **IMAP**. For email delivery
- **Microsoft SQL Server**. Trend and History data storage
- **HTTP(S)**. Client-server communication
- **DWG, DXF**. AutoCAD import formats
- **TAP**. Protocol for pager communication

System Compatibility

- **APOGEE BACnet** (Firmware 3.2.4 through 3.5)
- **APOGEE P2 Ethernet** (Firmware 2.8.10 in PXC, MBC, MEC controllers)
- **APOGEE P2 RS-485 via AEM** (Firmware 2.8 in PXC, MBC, MEC controllers)
- **FireFinder XLS** (MP8, MP10, MP11, MP12)
- **Siemens MXL** (35.06J)
- **Desigo Fire Safety System** (FS20 UL MP1.x, MP2.0, MP2.1, MP2.2)
- **Desigo Intelligent Voice Communication System** (MP2.0, MP2.1, MP2.2)
- **SiPass Integrated** (2.7)
- **Siveillance VMS50 / 100 / 200 / 200 embedded / 300**
  (2014 (7.0d), 2016 R3 SP1 (10.2b), 2017 R1 (11.1a), 2017 R2 (11.2a))
- **Milestone XProtect Essential+, Express+, Professional+, Expert, Corporate**
  (2014 (7.0d), 2016 R3 SP1 (10.2b), 2017 R1 (11.1a), 2017 R2 (11.2a))
- **Third-party BACnet** (BTL B-AWS)
- **Third-party OPC Client** compliant with OPC DA2.0
- **Third-party OPC Server** compliant with OPC DA V2.05/V3.00
- **SNMP Manager** (V1 and V2)
- **Simatic S7**- 300/400(-H)/1200 V3

Technical Data

Hardware Requirements

Refer to the **Desigo CC System Description** document for detailed configuration recommendations based on system size and feature requirements, including UL Listed Workstation specification.

Operating Systems

The Desigo CC Server, FEP, 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 Server 2012 R2 64-bit
- Microsoft® Windows Server 2016 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)
- Run Web Clients with Microsoft Internet Explorer 11.

Ordering Information

License parts for Desigo CC Version 3.0.

Model Number	Part Number (SSN)	Material Description
Feature Sets: One feature set license is required for each server. Sites with multiple servers require multiple feature set licenses		
CCA-STD-FSET CCA-STD-FSET-PSM CCA-STD-FSET-SSM	P55802-Y114-A100 P55802-Y114-D100 P55802-Y114-E100	Standard Feature Set
CCA-CMPT-BA	P55802-Y113-A100	Building Automation Compact Feature Set
CCA-CMPT-DMS	P55802-Y110-A100	Fire / Danger Management Compact Feature Set
CCA-CMPT-VM CCA-CMPT-VM-SUR CCA-CMPT-VM-SUS	P55802-Y121-A100 P55802-Y121-B100 P55802-Y121-C100	Validation Compact Feature Set license
Feature Options for Standard Feature Set		
CCA-P2-DRIVE CCA-P2-DRIVE-PSM CCA-P2-DRIVE-SSM	P55802-Y133-A300 P55802-Y133-D300 P55802-Y133-E300	P2 Driver Option
Feature Options for Building Automation Compact Feature Set		
CCA-OP-GRAPH-ED	P55802-Y127-A300	Graphics Editor Option
CCA-P2-DRIVE	P55802-Y133-A300	P2 Driver Option
CCA-CMPT-BA-U	P55802-Y113-A500	Upsell license to convert BA Compact Feature Set into a Standard Feature Set
Feature Options for Fire / Danger Management Compact Feature Set		
CCA-OP-GRAPH-ED	P55802-Y127-A300	Graphics Editor Option

Model Number	Part Number (SSN)	Material Description
CCA-CMPT-DMS-U	P55802-Y110-A500	Upsell license to convert DMS Compact Feature Set into a Standard Feature Set
Feature Options for Validation Compact Feature Set		
CCA-OP-GRAPH-ED	P55802-Y127-A300	Graphics Editor Option
CCA-CMPT-VM-U CCA-CMPT-VM-U-SUR CCA-CMPT-VM-U-SUS	P55802-Y121-A500 P55802-Y121-B500 P55802-Y121-C500	Upsell license to convert Validated Compact Feature Set into a Standard Feature Set
Clients (Installed, Web, Windows App)		
CCA-1-CL CCA-1-CL-PSM CCA-1-CL-SSM	P55802-Y119-A200 P55802-Y119-D200 P55802-Y119-E200	License for 1 additional Client license
CCA-MAX-CL CCA-MAX-CL-PSM CCA-MAX-CL-SSM	P55802-Y120-A200 P55802-Y120-D200 P55802-Y120-E200	License for unlimited clients
Building Automation Points		
CCA-100-BA CCA-100-BA-PSM CCA-100-BA-SSM	P55802-Y157-A412 P55802-Y157-D412 P55802-Y157-E412	Add 100 building automation data points
CCA-500-BA CCA-500-BA-PSM CCA-500-BA-SSM	P55802-Y157-A452 P55802-Y157-D452 P55802-Y157-E452	Add 500 building automation data points
CCA-5000-BA CCA-5000-BA-PSM CCA-5000-BA-SSM	P55802-Y157-A453 P55802-Y157-D453 P55802-Y157-E453	Add 5'000 building automation data points
CCA-10000-BA CCA-10000-BA-PSM CCA-10000-BA-SSM	P55802-Y157-A414 P55802-Y157-D414 P55802-Y157-E414	Add 10'000 building automation data points
CCA-30000-BA CCA-30000-BA-PSM CCA-30000-BA-SSM	P55802-Y157-A434 P55802-Y157-D434 P55802-Y157-E434	Add 30'000 building automation data points
CCA-100000-BA CCA-100000-BA-PSM CCA-100000-BA-SSM	P55802-Y157-A415 P55802-Y157-D415 P55802-Y157-E415	Add 100'000 building automation data points
Fire Points		
CCA-100-FIRE CCA-100-FIRE-PSM CCA-100-FIRE-SSM	P55802-Y158-A412 P55802-Y158-D412 P55802-Y158-E412	Add 100 fire detection data points
CCA-500-FIRE CCA-500-FIRE-PSM CCA-500-FIRE-SSM	P55802-Y158-A452 P55802-Y158-D452 P55802-Y158-E452	Add 500 fire detection data points
CCA-5000-FIRE CCA-5000-FIRE-PSM CCA-5000-FIRE-SSM	P55802-Y158-A453 P55802-Y158-D453 P55802-Y158-E453	Add 5'000 fire detection data points
CCA-10000-FIRE CCA-10000-FIRE-PSM CCA-10000-FIRE-SSM	P55802-Y158-A414 P55802-Y158-D414 P55802-Y158-E414	Add 10'000 fire detection data points
Security (1 data point = 1 physical detector (PIR, magnetic contact) or 1 digital/physical input or 1 digital/physical output)		
CCA-6-SEC CCA-6-SEC-PSM CCA-6-SEC-SSM	P55802-Y102-A460 P55802-Y102-D460 P55802-Y102-E460	Add 6 security data points
CCA-100-SEC CCA-100-SEC-PSM CCA-100-SEC-SSM	P55802-Y102-A412 P55802-Y102-D412 P55802-Y102-E412	Add 100 security data points
CCA-500-SEC CCA-500-SEC-PSM CCA-500-SEC-SSM	P55802-Y102-A452 P55802-Y102-D452 P55802-Y102-E452	Add 500 security data points
Video Monitors and Cameras		

Model Number	Part Number (SSN)	Material Description
CCA-V-PLUS CCA-V-PLUS-PSM CCA-V-PLUS-SSM	P55802-Y159-A300 P55802-Y159-D300 P55802-Y159-E300	Video option Plus for embedded VMS
CCA-V-16MON CCA-V-16MON-PSM CCA-V-16MON-SSM	P55802-Y160-A401 P55802-Y160-D401 P55802-Y160-E401	Add 16 monitors
CCA-V-16EXTC CCA-V-16EXTC-PSM CCA-V-16EXTC-SSM	P55802-Y161-A401 P55802-Y161-D401 P55802-Y161-E401	Add 16 external cameras
CCA-V-16EMBC CCA-V-16EMBC-PSM CCA-V-16EMBC-SSM	P55802-Y162-A401 P55802-Y162-D401 P55802-Y162-E401	Add 16 embedded cameras
CCA-V-128MON CCA-V-128MON-PSM CCA-V-128MON-SSM	P55802-Y160-A412 P55802-Y160-D412 P55802-Y160-E412	Add 128 monitors
CCA-V-128EXTC CCA-V-128EXTC-PSM CCA-V-128EXTC-SSM	P55802-Y161-A412 P55802-Y161-D412 P55802-Y161-E412	Add 128 external cameras
Access Control Doors		
CCA-AC-16EXTD CCA-AC-16EXTD-PSM CCA-AC-16EXTD-SSM	P55802-Y164-A401 P55802-Y164-D401 P55802-Y164-E401	Add 16 doors
SCADA (1 data point = 1 OPC client tag or Modbus object's property or 1 SNMP device)		
CCA-100-SCADA CCA-100-SCADA-PSM CCA-100-SCADA-SSM	P55802-Y124-A412 P55802-Y124-D412 P55802-Y124-E412	Add 100 SCADA data points
CCA-500-SCADA CCA-500-SCADA-PSM CCA-500-SCADA-SSM	P55802-Y124-A452 P55802-Y124-D452 P55802-Y124-E452	Add 500 SCADA data points
Power & Energy Management		
CCA-10-METER CCA-10-METER-PSM CCA-10-METER-SSM	P55802-Y152-A411 P55802-Y152-D411 P55802-Y152-E411	Add 10 managed meters
Validation		
CCA-100-VALID CCA-100-VALID-PSM CCA-100-VALID-SSM	P55802-Y154-A412 P55802-Y154-D412 P55802-Y154-E412	Add 100 validated objects
Connectivity		
CCA-IEC61850 CCA-IEC61850-PSM CCA-IEC61850-SSM	P55802-Y136-A300 P55802-Y136-D300 P55802-Y136-E300	IEC 61850 driver
CCA-S7-CONN CCA-S7-CONN-PSM CCA-S7-CONN-SSM	P55802-Y135-A300 P55802-Y135-D300 P55802-Y135-E300	Simatic S7 64 connections
Long term storage and archiving		
CCA-1-ARCHGRP CCA-1-ARCHGRP-PSM CCA-1-ARCHGRP-SSM	P55802-Y155-A410 P55802-Y155-D410 P55802-Y155-E410	Add 1 custom archive group
Accessories		
CMD.04	S55802-Y148	USB License Hardware Key (Dongle)

The following options are available only as extensions for use with the Extended Feature Set.

Model Number	Part Number (SSN)	Material Description
CCA-OP-OPC	P55802-Y100-A300	OPC Server Option
CCA-OP-AS-TR	P55802-Y103-A300	Assisted Treatment Option
CCA-OP-RE-PR	P55802-Y104-A300	Reaction Processor
CCA-OP-RENO	P55802-Y126-A300	Remote Notification Option
CCA-OP-LOG-V	P55802-Y132-A300	Log Viewer Option
CCA-DATAMATE	P55802-Y134-A300	Apogee Datamate Option
CCA-OP-WS-LIVE	P55802-Y163-A300	Web Services Live Data Option
CCA-OP-WS-HIST	P55802-Y164-A300	Web Services Historical Data Option
CCA-OP-WS-CMD	P55802-Y166-A300	Web Services Command Option
CCA-OP-WS-ADD	P55802-Y167-A300	Web Services Add Connections Option
CCA-P2-DRIVE	P55802-Y133-A300	P2 Driver Option

UL/ULC Listed Hardware for Fire Safety Applications

Model Number	Part Number (SSN)	Material Description
Desigo CC Packages - Software Licenses must be ordered separately (See above)		
DCC-CATB-PKG-SM	S54465-C79-A2	· UL/ULC HW Category B Computer (Model UHW-CATB-01) · 22" LCD Monitor (Model UHW-0000-22L-L) · SNC Card for XNET connection (Model SNC) · Desigo CC Software DVD & Instructions (Model DCC-SW-PKG-3P0)
DCC-CATB-PKG-LM	S54465-C80-A1	· UL/ULC HW Category B Computer (Model UHW-CATB-01) · 42" LCD Monitor (Model UHW-0000-42L-L) · SNC Card for XNET connection (Model SNC) · Desigo CC Software DVD & Instructions (Model DCC-SW-PKG-3P0)
Computers Only - Software Licenses must be ordered separately (See above)		
UHW-CATA-01	S54465-C73-A1	· UL/ULC HW Category A Computer (Intel i7, 16 GB RAM) · Windows 10 · SNC Card for XNET connection · Management Station Utility · No Monitor · No Software DVD
UHW-CATB-01	S54465-C73-A2	· UL/ULC HW Category B Computer (Intel i7, 32 GB RAM) · Windows 10 · SNC Card for XNET connection · Management Station Utility · No Monitor · No Software DVD

Model Number	Part Number (SSN)	Material Description
UHW-CATC-01	S54465-C74-A1	· UL/ULC HW Category C Computer (Intel Xeon, 32 GB RAM) · Windows Server 2012 R2 · SNC Card for XNET connection · Management Station Utility · No Monitor · No Software DVD
UHW-CATD-01	S54465-C74-A2	· UL/ULC HW Category D Computer (Intel Dual Xeon, 64 GB RAM) · Windows Server 2012 R2 · SNC Card for XNET connection · Management Station Utility · No Monitor · No Software DVD
Monitors Only		
UHW-0000-22L-L	S54465-C8-A2	UL/ULC Listed 22" LCD Monitor
UHW-0000-42L-L	S54465-C9-A2	UL/ULC Listed 42" LCD Monitor
DVD		
DCC-SW-PKG-3P0	S54465-C80-A2	Desigo CC Installation DVD & Instructions
XNET Interfaces		
NCC-2F	500-849430	XNET Interface Card for FireFinder XLS and MXL
MOSA	S54465-C62-A1	XNET Monitoring-Only Solution Assembly (MOSA) Includes: (1) ENCL-01, (1) XND-M, (1) S2E, (1) PS-5A, (1) CBL-M
Network Switches		
X-204-2	500-650537	SCALANCE X-204-2 Multi-mode network switch; UL Listed, 4 Ethernet ports, 2 sets of multi-mode fiber ports
X-204-2LD	S54430-A6-A1	SCALANCE X-204-2LD Single-mode network switch; UL Listed, 4 Ethernet ports, 2 sets of single-mode fiber ports

Resources

Desigo CC Web site at www.usa.siemens.com/desigocc

Your feedback is important to us. If you have comments about this document, please send them to SBT_technical.editor.us.sbt@siemens.com