

Desigo® CC

Fire Safety Management Station Version 5.0

Architect & Engineer Specifications

- Industry-leading, pane-based management station that provides critical data in a single view
 - Constant display of all active events
 - Highest priority events are highlighted
 - User Interface (UI) can be configured to support basic-to-advanced needs
 - User profiles can be created, based on various end-user needs
- Built on a robust Siemens platform that is used worldwide in critical installations
- Full integration of fire-safety, building-automation, video surveillance and access control systems
 - One (1) platform to learn and maintain
- Smart system that anticipates needed data and provides the information automatically
 - Enables faster, more accurate response to critical events
- Integrates multiple fire networks: Desigo Fire Safety Modular, FireFinder® XLS, MXL, and Desigo Fire Safety Compact
- Monitors and controls up to 63 fire panels per Desigo Fire Safety Modular, FireFinder® XLS, MXL network
- Up to 32 Desigo Fire Safety Compact panels per network
- Support CO detection with ASAtchnology
- Automatic or manual Notification of events via email | text message | pager
- Supports leading open standards: BACnet | OPC | Modbus and SNMP
- UL Listed to 864 10th Edition Standard for Control Units & Accessories (for Command & Control)
- Listed to UL 864 UOJK - Building System Interface Unit (BSIU) - Desigo CC software approved for monitoring and control on an off-the-shelf computer
- ULC Listed to ULC-S527 Standard for Control Units and Fire Alarm systems 2nd & 3rd Edition (for 'Command and Control') and ULC-S559 for Equipment for Fire Signal Receiving Centre and Systems – 3rd Edition
- UL & ULC approvals apply to fire-only systems and multi-discipline systems that include building automation, Security, Energy Management, Lighting & Shading, and more.
- UL and ULC recognized as an ancillary annunciator when used with a non-UL864 / ULC-S537-11 Listed computer that is connected to a Desigo Fire Safety Modular, FireFinder® XLS, MXL, and Desigo Fire Safety Compact
- CSFM (#7165-0067:0267) for Fire Alarm Control Unit Accessories
- Agency-listed for remote access (monitoring only) via a Virtual Private Network (VPN) connection

Introduction

The Desigo CC Fire Safety Management Station provides an integrated, useful approach to managing and controlling facilities from a flexible, easy-to-use interface. Desigo CC also provides facility-wide efficiencies, cost-effective data sharing, faster event management, and better decision-making.

Desigo CC software operates on UL / ULC Listed hardware that has passed rigorous performance and environmental tests.

Desigo CC, which is ideally suited for monitoring and controlling both Fire Only and Fire and Voice, Desigo Fire Safety Modular, FireFinder® XLS, MXL, and Desigo Fire Safety Compact.



Desigo CC



Client-Server Design

Desigo CC has a flexible, full-system design that integrates and enables customized workflow configurations. Desigo CC can be installed on a single computer, providing complete client / server system compatibility.

The server hosts all data for the management station. Full control of a Desigo CC can be transferred from the server to a client.

User Interface

A Desigo CC User Interface (UI) displays all critical data in a single view, therefore providing faster, more accurate response to events. Additionally, it makes Desigo CC easy-to-use, learn. The following components comprise an UI:

Summary Bar

The Summary Bar serves as an important source of data for Desigo CC event management, and highlights current system status with clear indication of current-event priorities. Event lamps for Alarm | Supervisory | Trouble | Status events are highlighted with different colors when events occur.

Pane-Based Workflow

The User Interface has well-defined, pane-based workflow that keeps essential data in front of each end-user with no overlapping windows. End users can navigate the system through Systems Manager or via graphical interface. Panes can be tailored to the user-specified requirements for a specific building or facility.

Pane-based workflow provides the following features:

System Manager – used for navigating Desigo CC to view and control conditions; to analyze historical operation, as well as to configure Desigo CC. The System Manager uses a common, consistent workflow for all system navigation.

Additionally, the System Manager allows the end user to either select from traditional applications in 'Applications View', or permits user-specified navigation in 'Management View', guiding the end-user to the most relevant data (e.g. – selecting a certain part of the building for further detail, analysis).

Primary Pane –

The Primary Pane is used to show data that is critical to event response. This includes device data; key graphics of a part of an edifice (e.g. – campus layout) and floor-layout plans that show the location of selected devices or those that are in 'Alarm' mode.

Secondary Pane – The Secondary Pane is used to display additional critical data, including:

- Video camera feeds
- Reports
- Notification

Related-Items Pane – Items such as operating procedures and other information that has been linked to specific devices are listed in this pane.

When a device is selected – either by the operator or by Desigo CC (based upon an active event in the management station), all of the data that has been linked to that device is displayed and made available in the Related Items pane.

Text Pane – The Text Pane provides a summary of the current value and status of any selected object without any prior system configuration. This is a convenient feature for obtaining an overview of system and / or device status.

Investigative Treatment for Event Management – Desigo CC provides rapid response to system events through Investigative Treatment. When a system event occurs, Desigo CC will find the device that is the event source in System Manager, and will populate data associated with that device, including graphics and specific information about the device.

Operating & Engineering Modes

The Desigo CC Manager provides two (2) separate modes for system use: Operation and Engineering.

In Operating Mode, the end-user has the ability to monitor and control the system; address events, and analyze current and historical data. Configuration changes, on the other hand, are possible via Engineering Mode.

Additionally, every user who is granted access privileges for system configuration can toggle Desigo CC into Engineering Mode, where system parameters can be set and user accounts can be managed. This is a powerful feature that should be limited to only a few advanced users.

Event List

The Event List provides a full, easy-to-filter list of all active events in the system. The Event List gives clear indication of each event's source and current status. Custom messages and suggested action steps are displayed to the end-user, via the use of text, color and icon representations.

System events can be Acknowledged | Silenced / Unsilenced | Reset, via the Event List.

Node Map

The Node Map feature provides operators immediate and clear situational awareness of the status of the fire system.

A large panel icon is displayed for each fire panel configured and connected to a Desigo CC. Additionally, each panel icon provides a visual indication of the active panel events, panel-connection status as well as a detailed count of each type of event active on the panel.

Control buttons are provided to obtain control of the panels, disconnect / connect panels, create/edit panel groups, and more. The Node Map panel icons are automatically added to the node map when the panel configuration file is imported into Desigo CC.

Schedules

Schedules are automatically associated to systems they operate, in order for the end-user to quickly navigate to schedules related to any selected object.

Graphics

Desigo CC graphics are built using smart objects. Smart objects allow you to create graphics by simply dragging and dropping objects onto a page without manually binding the object to graphical symbols.

Desigo CC also provides a powerful AutoCAD-import tool for selecting and operating layers of AutoCAD drawings during and after the import process.

Addressable fire panel devices can be automatically placed on floor plan graphics when AutoCAD files containing the panel address for each device are provided as input to Desigo CC.

The following file types are supported: .DWG | .DXF | .PNG | .BMP | .GIF | .JPG | .JPEG | .TIF | .TIFF | .RLE | .ICO

Notification

A Desigo CC can be configured to automatically or manually send email, SMS messages, or pages to first-level responders with Notification.

Escalated notification – when necessary – can also be sent to second-tier responders.

Mobile App

The Desigo CC Mobile App is designed for the Android and iOS operating systems enabling the user to remotely view events and object status based on user privileges. Users receive event notifications when new events are available.

The Mobile App can optionally provide commanding of events and objects based on user privileges. The commanding capabilities of the Mobile App are not Agency listed or approved for commanding fire systems. The use of event commanding must be reviewed with and permitted by the local authority having jurisdiction (AHJ) or equivalent.

Fire Wide-Area Network (WAN)

The fire Wide-Area Network (WAN) topology allows Desigo CC to monitor and control stand-alone (i.e., single panel / non-networked) Desigo Fire Safety Modular and FireFinder XLS/XLSV MP12 fire panels via a point-to-point connection between Desigo CC and each fire panel by using HUB-4 communication cards with either RS-485 or Modem connectivity. A maximum of 256 panel can be connected on the Desigo CC WAN.

Video

The Video surveillance -integration feature supports the workflows of System Manager and Event Treatment – as well as enhances these workflows with video-specific workflows and video support that are fully integrated into the Desigo CC UI experience.

Live streams and recordings can be displayed in the primary and secondary pane. In the contextual pane video operations (e.g. – Pan-Tilt-Zoom | Start / Stop recording) can be executed from both the video control and operations tabs.

Other Desigo CC applications are able to execute video events and actions on events of video device supervision. The video integration is based on Siveillance® VMS or Milestone XProtect.

Access Control

The Access Control option works with Siemens SiPass® integrated, and adds access control event monitoring and control capabilities to a Desigo CC.

Events from Access Control devices, doors, and areas are seamlessly incorporated into the Desigo CC event treatment workflows.

The user can view door and In / Out status data in graphics and operations tabs, as well as monitor device-connection status with integrated device supervision.

All access control events are available to other Desigo CC applications (e.g. – Reactions, Macros, & Scheduler) providing enhanced cross discipline workflows (e.g. – a card swipe starts recording of nearby camera, activates lighting, and resets temperatures).

Remote Access

A Desigo CC User Interface can be accessed from remote, non-UL / ULC computers solely for monitoring, via the available Web Client. This Remote Access feature enables up to 20 key stakeholders to have the same view of the User Interface as those operating the system from a remote computer – provided Desigo CC is installed on an intranet site – therefore enabling faster sharing of critical data over a wide area.

Assisted Treatment

Assisted Treatment provides the ability to pre-define a sequence of steps or actions, allowing the end-user to optionally implement when responding to a system event. Each Assisted Treatment step provides instructions and operation tools (e.g. – view the graphic of the object in `Alarm`; view a related live video stream; fill-in a treatment form, or automatically print out system-event information).

End-User Profiles

To ensure proper level of event-management support by Desigo CC for any system-event situation, pre-defined profiles can be established for each end-user or workstation that provide the correct level of event management for that user or workstation.

Macros

Macros are pre-defined lists of events that enable a user to send out a group of events to specified devices with a single action. Macros can be started manually or automatically based on schedules defined for time-based functions or automatic reactions.

Macro Viewer

The Macro Viewer provides simplified execution of Desigo CC macros and fire-panel pseudo point commands by displaying one big icon button for each macro and pseudo point. Access to macros and pseudo point commands can be controlled with user privileges.

Reports

The Desigo CC reporting tool includes standard reporting templates. The Reports feature also allows the development of fully configurable reports with custom logos | headers | footers and layouts that include tabular and graphical system data.

Reports can be scheduled and saved in .CSV or .PDF file extensions for future use.

Reaction Processor

The Reaction Processor option allows Desigo CC to automatically execute given actions when some conditions are verified. Conditions can be any of the following: time-based (e.g. – every Monday at 7:00 a.m.); event-based (e.g. – when technical equipment is in fault); a change of values (e.g. – when the temperature of a room is higher than a predefined value), or on a variation of any or all of the above. When conditions are met, the Reaction Processor executes a pre-configured list of events (e.g. – switch on the lights).

Multiple Installed Clients

Desigo CC can support up to 10 installed clients. Control of the fire-safety system can also be transferred to these clients – provided the clients' accounts been configured to assume control.

Document Viewer

The Document Viewer displays object-related data sheets, operating manuals or other information contained in document file (e.g. – a data sheet for a detector or sensor or web page).

Log Viewer

Log Viewer provides a log / history of system events and end-user programming for further analysis.

The Detailed Log within the Contextual Pane provides a log of the most recent user and system events and activities, relative to an individually selected object. For example, the system logs user intervention to a set point with `Previous` | `New Value` | `Timestamp` and `Username`. Data displayed within the `Detailed Log` can be further analyzed, via sorting and filtering functionality – similar to that of the Log Viewer.

Specifications

Desigo CC is a full, flexible client / server architecture for fire-safety applications offering configurations from small, single-seat to large, multi-user installations.

Desigo CC can be installed completely on one (1) computer, with full server and client functionality. Additional clients (e.g. – dedicated, browser, and Windows desktop application) can be also be added. Additional system connections can be made through systems installed with a Desigo CC Front End Process (FEP) configuration.

A Desigo CC can also be configured with multiple servers in a distributed system configuration. Distributed servers can be used to distribute processing power, to segregate systems geographically or departmental boundaries, or to separate servers used for different disciplines – most frequently to isolate UL / ULC Listed fire systems from other disciplines such as building automation or security.

Servers are connected to one another in order for an end-user to seamlessly navigate the objects in the system independently. This means the client computer is not reliant of any specific server to which it is connected.

Microsoft IIS server for Browser Clients and Desktop Application downloads can be installed on the server or on a separate installation.

The server hosts all the data for the system, while the clients are only for the visualization and the user interaction. The clients provide a high-resolution interface to all the relevant server data needed for monitoring and commanding the system. Control of the fire-safety system can be transferred from one client to another client if desired.

Microsoft (MS) Operating Systems	
Desigo CC Server, FEP, and Installed Clients	MS Windows 10 64-bit (Professional Enterprise) MS Windows Server 2012 R2 64-bit / 2016 64-bit / 2019 64-bit
Flex Clients, Windows App Clients, and Web Clients	MS Windows 10 64-bit (Professional Enterprise) NOTE: Web Clients are compatible only with Microsoft Internet Explorer 11
Microsoft (MS) SQL Server Database	
Desigo CC Server, FEP, and Installed Clients	MS SQL Windows Server 2012 / 2014 / 2016 / 2017 / 2019 (Standard Express Enterprise) NOTE: 2019 R2 Express is free and included with the product
Microsoft (MS) Office	
Desigo CC Server, FEP, and Installed Clients	MS Office 365 / MS Office 2019, 2016, 2013, 2010, 2007 (Standard Small Business Professional Enterprise)

Virus Scanners	
Desigo CC Server, FEP, and Installed Clients	Microsoft Windows Defender Antivirus
	Kaspersky Avira McAfee Bitdefender Kaspersky Trend Micro Office Scan Avast AVG
Firewalls	
Desigo CC Server, FEP, and Installed Clients	Microsoft Windows Firewall Norton Security Comodo Firewall Kaspersky TOTAL Security Bitdefender TOTAL Security McAfee End Point Security ZoneAlarm Dell SonicWALL security Check Point Next Generation Firewalls Cisco PIX Firewall Software

Supported Sub-Systems and Protocols

Fire Safety	
Desigo Fire Safety Modular	MP1.x Up to four [#] (4) XNET networks per server or FEP Up to five (5) Front End Processors (FEP) for a maximum of 24 XNET networks per system Up to 63 panels per XNET network
Desigo Fire Safety Compact (FC20-series / FV20-series)	MP1.x MP2.x MP3.0 Up to four (4) fire or voice networks Up to 16 panels per SafeDLINK or 32 panels per FCnet
FireFinder XLS and XLSV	MP8 MP10 MP11 MP12 Up to four [#] (4) XNET networks per server or FEP Up to five (5) Front End Processors (FEP) for a maximum of 24 XNET networks per system Up to 63 panels per XNET network
MXL / MXLV	MXL/MXLV system with Model MMB-3 running firmware 35.06J and CSGM 18 Up to four [#] (4) XNET networks per server or FEP Up to five (5) Front End Processors (FEP) for a maximum of 24 XNET networks per system Up to 63 panels per XNET network
Cerberus PRO Modular	MP1.x Up to four [#] (4) XNET networks per server or FEP Up to five (5) Front End Processors (FEP) for a maximum of 24 XNET networks per system Up to 63 panels per XNET network
Cerberus PRO Compact (FC92-series / FV92-series)	MP1.x MP2.x MP3.0 Up to four (4) fire or voice networks Up to 16 panels per SafeDLINK or 32 panels per C-WEB
NOTIFIER Onyx Series	Monitoring only integration for NFS/NFS2 series panels

Security	
Video	Siveillance VMS50 VMS100 VMS200 VMS200 (embedded), and VMS300 Milestone XProtect Essential+ Express+ Professional+ Expert, and Corporate Supported versions: 2017 R2 (v11.2a) up to 2020 R2 (v20.2a) Up to 128 cameras for UL / ULC applications Up to 1000 cameras for non-UL / ULC applications Up to 16 independent video streams per client
Access Control	SiPass integrated 2.7 SP1 2.75 2.76 SP1 & SP2 2.80 Up to 25 SiPass integrated servers Up to 1,000 doors
Building Automation	
APOGEE	BACnet PXC, MBC, MEC controllers (firmware 3.2.4- 3.5.2) BACnet FLN DXR, PTEC, PXC UEC, PPM P2 PXC, MBC, MEC controllers P2 Ethernet (firmware 2.8.10-2.8.18) and RS-485 via AEM (firmware 2.8) P1 FLN TEC, Point Expansion Modules, PXC Compact on P1, P1 BIM, DEM, P1 Drivers, and P1 VFDs
Open System Standard Protocols	
BACnet:	Building Automation Control network, Revision 1.15
OPC DA	OLE for Process Control OPC DA 2.05, 3.0
Modbus TCP	Modbus IP communication protocol
SNMP	SNMP Agents monitoring (V2 and V3)
Notification Protocols and Devices	
Email	POP3/IMAP/SMTP with SSL/TLS
Pager	ESPA 4.4.4; Ascom
Mobile	SMS

[#] The maximum number of XNET networks per server or FEP is determined by the "Hardware Category" computer selected. Refer to the "Technical Data" section below for max. number of XNET Interface cards per computer

Technical Data

UL / ULC Listed Computers

Hardware Category A

Hardware Category B

MODEL NUMBER:	<ul style="list-style-type: none"> UHW-CATA-01 UHW-CATA-PKG-SM 	<ul style="list-style-type: none"> UHW-CATB-01 UHW-CATB-PKG-SM UHW-CATB-PKG-LM
RECOMMENDED USE:	Client, Small FEP Small Server Not recommended as Video Surveillance Client	Medium Server Client Server Large FEP
APPROX. MAX. # OF FIRE POINTS: **	8,000	19,000
OPERATING SYSTEM:	Microsoft Windows 10 Enterprise 64-bit	Microsoft Windows 10 Enterprise 64-bit
POWER SUPPLY:	120-240VAC Input; 24VDC output-power brick	650 Watts; 100-240V @ 50 - 60 Hz
RECOVERY SOLUTION:	Recovery DVD	Recovery DVD
PROCESSOR:	Intel Core i7-4700QE 2.4 GHz., (four [4] cores w/ eight [8] threads); Maximum turbo frequency 3.4GHz	Intel Core i7-4700QE, 2.4 GHz., (four [4] cores w/ eight [8] threads); Maximum turbo frequency 3.4GHz
CHIPSET:	Intel QM87 chipset	Intel QM87 chipset
MEMORY:	16GB (two (2) 204-pin DDR3 1333/1600 MHz / SODIMM up to 16GB, w / o ECC support)	32GB (four [4] DDR3L 1333 / 1600 DIMMs)
PRIMARY DISK DRIVE:	1x 240GB SSD, SATA III	1x 240GB SSD, SATA III
SECONDARY DISK DRIVE:	None	1x 2TB HDD, SATA III
GRAPHICS CARD:	<p>Onboard Intel HD Graphics 4600 Shared Video Memory, up to 1.7GB Max. DVI Resolution: 1920 -x- 1200 Max. HDMI Resolution: 4096 -x- 2160 Max.</p>	<p>Matrox C680 PCIe x16, 2GB RAM Display Outputs: Six (6) Mini Display Ports Two (2) mini Display Port to DVI adapters included Resolution: 4096 -x- 2160 Max. @ 30Hz (Display Port) Resolution: 4096 -x- 2160 Max. @ 60Hz (Display Port, three [3] max.)</p> <p>Onboard Intel HD Graphics: 4600</p> <ul style="list-style-type: none"> Shared Video Memory: up to 1.7GB DVI Resolution: 1920 x 1200 Max. HDMI Resolution: 4096 x 2160 Max.
VIDEO INTERFACES:	1x - VGA Port 1x - HDMI Port 1x - DVI Port	6x Mini Display Ports 2x DVI Port 1x VGA Port
OPTICAL DISK DRIVE:	DVD-RW	DVD-RW
AUDIO INTERFACE:	Audio Line In / Out, Mic. In	Audio Line In / Out, Mic. In
ETHERNET INTERFACE:	2x - Intel 82574L GigaLAN	2x - Intel 82574L GigaLAN
MONITORING CARD:	Fan Monitoring & Watchdog card	Fan Monitoring & Watchdog card
XNET INTERFACE CARD:	1x – Siemens SNC; up to two (2) of Model SNC	1x – Siemens SNC; up to four (4) of Model SNC
PARALLEL PORTS:	None	2x
SERIAL PORTS:	2x – RS-232 ports	2x – RS-232, serial; 2x – PS/2
USB PORTS:	2x – USB 2.0 Ports; 4x – USB 3.0 Ports	2x – USB 3.0; 4x – USB 2.0 Note: 2x are behind the door
KEYBOARD:	USB keyboard; 104 key, black	USB keyboard; 104 key, black
MOUSE:	USB optical mouse, black	USB optical mouse, black
CHASSIS:	Compact Form Factor Aluminum Semi-gloss black	All-metal Enclosure Lockable front-door protects power switch Reset switch black
CHASSIS MOUNT OPTIONS:	Vertical wall mount or under mount with Four (4) mounting screws (#8). Desktop mount not recommend due to fan location	Desktop (horizontal or vertical); Rack Mount shelf available
DIMENSIONS:	13.1" (34 cm.) {H} –x- 8.5" (21.6 cm.) {D} 4.2" (10.7 cm.) {D}	16.8" (42.7 cm.) {W} –x- 7" (17.8 cm.) {H} 17.6" (44.7 cm.) {D}
WEIGHT:	8.5 Lbs. (3.9 kg.)	39 Lbs. (17.5 kg.)
CERTIFICATIONS:	UL864 ULC-S527-11 UL 2572, FCC Class A, RoHS, CE	UL864 ULC-S527-11 UL 2572, FCC Class A, RoHS, CE

* Refer to System Dimensioning Guide if 1) within 1000 points of limit, or move to the next Hardware Category, 2) designing a multi-discipline server.

+ Higher number of points is possible for systems that only connect to Desigo Modular / XLS panels.

Technical Data – (continued)

UL / ULC Listed Computers

Hardware Category C

Hardware Category D

MODEL NUMBER:	UHW-CATC-01	UHW-CATD-01
RECOMMENDED USE:	LARGE Server	EXTRA LARGE Server
APPROX. MAX. # OF FIRE POINTS: **	42,000	66,000
OPERATING SYSTEM:	Microsoft Windows Server 2019 64-bit 5 CAL	Microsoft Windows Server 2019 64-bit 5 CAL
POWER SUPPLY:	650 Watts; 100-240V @ 50 - 60 Hz	650 Watts; 100-240V @ 50 - 60 Hz
RECOVERY SOLUTION:	Recovery DVD	Recovery DVD
PROCESSOR:	1x Intel Xeon E5-2600-v4; 1.7 GHz (eight [8] cores) per processor	2x Intel Xeon E5-2600-v4; 1.7 GHz (eight [8] cores) per processor
CHIPSET:	Intel C612 chipset	Intel C612 chipset
MEMORY:	32GB (four [4] DDR-4 -2133 DIMMs)	64GB (eight [8] DDR-4 -2133 DIMMs)
PRIMARY DISK DRIVE:	1x 240GB SSD, SATA III	1x 240GB SSD, SATA III
SECONDARY DISK DRIVE:	1x 1TB HDD, SATA III	1x 1TB HDD, SATA III
GRAPHICS CARD:	Matrox C680 PCIe x16, 2GB RAM <u>Resolution:</u> 4096 -x- 2160 @ 30Hz Display Port 4096 -x- 2160 @ 60Hz Display Port, (max. of three)	Matrox C680 PCIe x16, 2GB RAM <u>Resolution:</u> 4096 -x- 2160 @ 30Hz Display Port 4096 -x- 2160 @ 60Hz Display Port, (max. of three)
VIDEO INTERFACES:	1x - VGA Six (6) Mini Display Ports two (2) mini Display Port to DVI adapters included	1x - VGA Six (6) Mini Display Ports two (2) mini Display Port to DVI adapters included
OPTICAL DISK DRIVE:	DVD-RW	DVD-RW
AUDIO INTERFACE:	None	None
ETHERNET INTERFACE:	2x - Intel i210 Gigabit 1x - IPMI LAN	2x - Intel i210 Gigabit 1x - IPMI LAN
MONITORING CARD:	Fan Monitoring & Watchdog card	Fan Monitoring & Watchdog card
XNET INTERFACE CARD:	1x – Siemens SNC; up to two (2) of Model SNC	1x – Siemens SNC; up to two (2) of Model SNC
PARALLEL PORTS:	None	None
SERIAL PORTS:	1x – RS-232 ports	1x – RS-232 ports
USB PORTS:	2x – USB 2.0 on Rear Panel	2x – USB 2.0 on Rear Panel
KEYBOARD:	USB keyboard; 104 key, black	USB keyboard; 104 key, black
MOUSE:	USB optical mouse, black	USB optical mouse, black
CHASSIS:	All-metal, 19" (48.3 cm.) 4U Rack Mount Enclosure Mounts w/ 24" Locking Slides Lockable front-door protects Power switch Reset switch HDD & Power LEDs	All-metal, 19" (48.3 cm.) 4U Rack Mount Enclosure Mounts w/ 24" Locking Slides Lockable front-door protects Power switch Reset switch HDD & Power LEDs
CHASSIS MOUNT OPTIONS:	19" (48.3 cm.) rack mount Desktop (horizontal) with provided rubber feet	19" (48.3 cm.) rack mount Desktop (horizontal) with provided rubber feet
DIMENSIONS:	7" (17.8 cm.) {H} -x- 19" (48.3 cm.) {D} 20" (50.8 cm.) {D}	7" (17.8 cm.) {H} -x- 19" (48.3 cm.) {D} 20" (50.8 cm.) {D}
WEIGHT:	45 Lbs. (20.4 kg.)	45 Lbs. (20.4 kg.)
CERTIFICATIONS:	UL864 ULC-S527-11 UL 2572 FCC Class A RoHS CE	UL864 ULC-S527-11 UL 2572 FCC Class A RoHS CE

* Refer to System Dimensioning Guide if 1) within 1000 points of limit, or move to the next Hardware Category, 2) designing a multi-discipline server.

+ Higher number of points is possible for systems that only connect to Desigo Modular / XLS panels.

Details for Ordering

MODEL OR TYPE	PART NUMBER	PRODUCT
Server Hardware / Software Packages		
UHW-CATA-PKG-SM	S54465-C82-A1	Items relative to Model UHW-CATA-PKG-SM <ul style="list-style-type: none"> • one (1) Hardware Category A Computer: • one (1) 22" (56 cm) LCD Monitor: • one (1) Serial Network Card for XNET connection: Model UHW-CATA-01 Model UHW-0000-22L-L Model SNC
UHW-CATB-PKG-SM	S54465-C82-A2	Items relative to Model UHW-CATB-PKG-SM <ul style="list-style-type: none"> • one (1) Hardware Category B Computer: • one (1) 22" (56 cm) LCD Monitor: • one (1) Serial Network Card for XNET connection: Model UHW-CATB-01 Model UHW-0000-22L-L Model SNC
UHW-CATB-PKG-LM	S54465-C83-A1	Items relative to Model UHW-CATB-PKG-LM <ul style="list-style-type: none"> • one (1) Hardware Category B Computer: • one (1) 42" (107 cm) LCD Monitor: • one (1) Serial Network Card for XNET connection: Model UHW-CATB-01 Model UHW-0000-42L-L Model SNC
Computers Only		
UHW-CATA-01	S54465-C73-A1	Items relative to Model UHW-CATA-01 <ul style="list-style-type: none"> • UL / ULC Listed Hardware Category A Computer Windows 10 • one (1) Serial Network Card for XNET connection: Model SNC • no monitor
UHW-CATB-01	S54465-C73-A2	Items relative to Model UHW-CATB-01 <ul style="list-style-type: none"> • UL / ULC Listed Hardware Category B Computer Windows 10 • one (1) Serial Network Card for XNET connection: Model SNC • no monitor
UHW-CATC-01	S54465-C74-A1	Items relative to Model UHW-CATC-01 <ul style="list-style-type: none"> • UL / ULC Listed Hardware Category C Computer with Windows Server 2019 • one (1) Serial Network Card for XNET connection: Model SNC • no monitor
UHW-CATD-01	S54465-C74-A2	Items relative to Model UHW-CATD-01 <ul style="list-style-type: none"> • UL / ULC Listed Hardware Category D Computer with Windows Server 2019 • one (1) Serial Network Card for XNET connection: Model SNC • no monitor
Monitors Only		
UHW-0000-22L-L	S54465-C8-A2	UL / ULC Listed 22" (56 cm.) LCD Monitor
UHW-0000-42L-L	S54465-C9-A2	UL / ULC Listed 42" (107 cm.) LCD Monitor
XNET Interfaces		
SNC S54400-N1-A1	S54400-N1-A1	XNET Interface Card for Desigo Fire Safety Modular, FireFinder XLS, and MXL
MOSA	S54465-C62-A1	XNET Monitoring-Only Solution Assembly: Includes: <ul style="list-style-type: none"> • one (1) Serial Network Card for XNET connection: Model SNC • one (1) Exterior enclosure with key-lock: Model ENCL-01 • one (1) XNET interface module: Model XND-M • one (1) Serial-to-Ethernet Module: Model S2E • one (1) up to 5A power supply: Model PS-5A • one (1) set of cables: Model CBL-M Cables included in each Model CBL-M shipment <ul style="list-style-type: none"> ▪ Two (2) Model S2E power cables (1 red, 1 black) ▪ One (1) Model XND-M power cable ▪ One (1) Model NIC-C-to-interface (Model XND-M) cable, 10 feet (3m)

Details for Ordering – (continued)

MODEL OR TYPE	PART NUMBER	PRODUCT
Network Switches		
X204-2	500-650537	Multi-mode SCALANCE network switch Model X204-2 4 Ethernet ports, 2 sets of multi-mode fiber ports <ul style="list-style-type: none"> UL* Listed Four (4) Ethernet Ports Two (2) sets of multi-mode fiber ports
X204-2LD	S54430-A6-A1	Single-mode SCALANCE network switch Model X204-2LD <ul style="list-style-type: none"> UL* Listed Four (4) Ethernet Ports Two (2) sets of multi-mode fiber ports
FN2012-A1	S54400-B152-A1	Modular Ethernet Switch Model FN2012-A1 UL/ULC* Listed
VN2001-A1	S54400-A42-A1	♦ Electric Ethernet Module Model VN2001-A1 UL/ULC* Listed
VN2002-A1	S54400-A43-A1	♦ Multi-Mode Ethernet Switch Model VN2002-A1 UL/ULC* Listed
VN2003-A1	S54400-A44-A1	♦ Single-Mode Ethernet Module Model VN2003-A1 UL/ULC* Listed
Licenses		
CCA-STD-FSET	P55802-Y114-A100	Standard Feature License that includes: <ul style="list-style-type: none"> one (1) client license can be extended with Client licenses and point licenses
CCA-CMPT-DMS	P55802-Y110-A100	Fire Safety Management Compact Feature Set license: <ul style="list-style-type: none"> Includes three (3) client licenses and 500 Fire Point licenses can be extended to support up to 2000 Fire Points; no additional clients can be added The Graphics Editor is the only option that can be added
Feature Options for Fire Safety Management Compact Feature Set		
CCA-OP-GRAPH-ED	P55802-Y127-A300	Graphics Editor Option: <ul style="list-style-type: none"> allows end-users to edit graphics (without this option, graphics must be edited using an Engineering License)
CCA-CMPT-DMS-U	P55802-Y110-A500	Upsell license: <ul style="list-style-type: none"> for converting DMS Compact Feature Set into a Standard Feature Set
Clients (Installed Web Windows App)		
CCA-1-CL	P55802-Y119-A200	License for one (1) additional client: <ul style="list-style-type: none"> valid for all client types
CCA-MAX-CL	P55802-Y120-A200	License to allow for maximum number of clients: <ul style="list-style-type: none"> valid for all client types
Fire Points		
CCA-100-FIRE	P55802-Y158-A412	Add 100 fire points
CCA-500-FIRE	P55802-Y158-A452	Add 500 fire points
CCA-5000-FIRE	P55802-Y158-A453	Add 5000 firepoints
CCA-10000-FIRE	P55802-Y158-A414	Add 10000 fire data points
Video Monitors and Cameras		
CCA-V-PLUS	P55802-Y159-A300	Video option Plus for embedded VMS. Includes "SiVMS 200 embedded" license, eight (8) monitors and eight (8) embedded cameras
CCA-V-16MON	P55802-Y160-A401	Add 16 monitors
CCA-V-16EXTC	P55802-Y161-A401	Add 16 external cameras
CCA-V-16EMBC	P55802-Y162-A401	Add 16 embedded cameras
CCA-V-128MON	P55802-Y160-A412	Add 128 monitors
CCA-V-128EXTC	P55802-Y161-A412	Add 128 external cameras
Access Control		
CCA-AC-16EXTD	P55802-Y164-A401	Add 16 doors
CCA-100-SEC	P55802-Y102-A412	Add 100 Access Control I/O points
CCA-500-SEC	P55802-Y102-A452	Add 500 Access Control I/O points

Details for Ordering – (continued)

MODEL OR TYPE	PART NUMBER	PRODUCT
SCADA Points		
CCA-100-SCADA	P55802-Y124-A412	Add 100 SCADA points
CCA-500-SCADA	P55802-Y124-A452	Add 500 SCADA points
CCA-5000-SCADA	P55802-Y124-A453	Add 5000 SCADA points
Connectivity		
CCA-1-INT-TK	P55802-Y180-A410	Add one (1) integration token for 3rd party extension modules <ul style="list-style-type: none"> One or more integration tokens may be required per extension module
Supplementary Licenses		
CCA-DEMO	P55802-Y140-A100	Demo license (12 months)
CCA-STARTUP-BASE	P55802-Y131-A100	Startup license (2 months)
CCA-ENG	P55802-Y130-A100	Engineering license (12 months); required CMD.04 dongle
CMD.04	S55802-Y148	Universal Serial Port (USB) License Hardware key (dongle)

- For **UL Listed** applications, it is advised to order either the Scalance (**X204-2**) Multi-Mode and / or the Scalance (**X204-2LD**) Single-Mode Ethernet Switch.
- For **ULC Listed** applications, the Ethernet Switch (**FN2012-A1**) along with the appropriate pairing of one (1) of the following: Electric Ethernet Module (**VN2001-A1**) | Multi-Mode Ethernet Module (**VN2002-A1**) | Single-Mode Ethernet Module (**VN2003-A1**) are required.

Building System Interface Unit (BSIU) Software

Building System Interface Unit Software for monitoring and control of fire system, requires a fire network interface [Model SNC for Modular, XLS, or MXL panel(s), or suitable dedicated ethernet connection for Compact panel(s)]. Computer not included.

Hardware Requirements

Usage / System Size	Small Server (+) / Client / FEP	Large Server (#)
Operating System	Microsoft Windows 10 (or Microsoft Windows Server 2019 for Small Server)	Microsoft Windows Server 2019
Minimum CPU	Intel Core i7-9700 3.0 GHz	Intel Core i7-7800X 3.5 GHz
Minimum RAM	16 GB	32 GB
Minimum HDD/SDD	256 GB	
Minimum Display	1 HD monitor	
I/O	0-4 internal USB 2.0 headers (*)	
Audio	Integrated Audio and External speakers	
Required Agency Listings	UL60950-1 -or- UL62368-1	

Monitoring-Only Software

Software for monitor only purposes. Requires a fire network interface (Model MOSA, X204-2, or X204-2LD). Computer not included.

Hardware Requirements

Usage / System Size	Small Server (+) / Client / FEP	Large Server (#)
Operating System	Microsoft Windows 10 (or Microsoft Windows Server 2019 for Small Server)	Microsoft Windows Server 2019
Minimum CPU	Intel Core i7-9700 3.0 GHz	Intel Core i7-7800X 3.5 GHz
Minimum RAM	16 GB	32 GB
Minimum HDD / SDD	256 GB	
Minimum Display	1 HD monitor	
I/O	0-4 internal USB 2.0 headers (*)	
Audio	Integrated Audio and External speakers	
Required Agency Listings	UL60950-1 -or- UL62368-1	

(+) Up to 19,000 addressable fire points

(#) Up to 66,000 addressable fire points

(*) One internal USB 2.0 header is required **for each** SNC card to be installed (Required for **BSIU applications only**; not required for Monitoring-only applications)

Product Compatibilities

MODEL OR TYPE	DATA SHEET	PANEL
MXL	5000	MXL (fire-system overview)
MXLV	5035	MXLV (fire w/ voice system overview)
XLS	6300	FireFinder XLS (fire-system overview)
XLSV	6340	FireFinder XLS (fire w/ voice system overview)
DESIGO FIRE SAFETY MODULAR	7300	Desigo Fire Safety Modular (overview)
FC2025	6815	Desigo Fire Safety 252-point addressable (fire)
FC2050		Desigo Fire Safety 504-point addressable (fire)
FV2025	6821	Desigo Fire Safety 252-point addressable (voice)
FV2050		Desigo Fire Safety 504-point addressable (voice)

See: www.siemens.com/fire to view any of the data sheets in the chart above.

NOTICE – The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice. The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information.

Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product, and are available from the Manufacturer.

Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.



Desigo® CC

Siemens Industry, Inc.
Smart Infrastructure - Building Products
2 Gatehall Drive • Parsippany, NJ 07054
Tel: (973) 593-2600

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