

# Desigo® CC

## Fire Safety Management Station

Version 7.0

### 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 ASAtechnology™
- 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 3rd Edition* (for 'Command and Control') and *ULC-S559 for Equipment for Fire Signal Receiving Centre and Systems – 2nd 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) and FDNY Approved
- 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 or networked XNET subnet of Desigo Fire Safety Modular MP2.0 fire panels via a point-to-point connection between Desigo CC and the fire panel by using HUB-4 communication cards with either RS-485 or Modem connectivity. A maximum of 366 stand-alone panels can be connected on the Desigo CC WAN. Each WAN subnet of panels supports up to 5 panels per network.

### 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 Flex 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 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 / Windows 11 (Professional   Enterprise)<br>MS Windows Server 2019 64-bit / 2022                              |
| Flex Clients and Windows App Clients         | MS Windows 10 64-bit / Windows 11 (Professional   Enterprise)                                                                      |
| Microsoft (MS) SQL Server Database           |                                                                                                                                    |
| Desigo CC Server, FEP, and Installed Clients | MS SQL Windows Server 2019 / 2022 (Standard   Express   Enterprise)<br>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 (Standard   Small Business   Professional   Enterprise)                                       |

| Virus Scanners                               |                                                                                                                             |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Desigo CC Server, FEP, and Installed Clients | Microsoft Windows Defender Antivirus<br>Kaspersky<br>Avira<br>McAfee<br>Bitdefender<br>Trend Micro Office Scan<br>Avast AVG |
|                                              |                                                                                                                             |
| Firewalls                                    |                                                                                                                             |
| Desigo CC Server, FEP, and Installed Clients | Microsoft Windows Defender Firewall<br>Bitdefender<br>McAfee                                                                |

## Supported Sub-Systems and Protocols

| Fire Safety                                            |                                                                                                                                                                                                                                                      |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Desigo Fire Safety Modular                             | MP1.x   MP2.x<br>Up to four*(4) XNET networks per server or FEP<br>Up to five (5) Front End Processors (FEP) for a maximum of 24 XNET networks per system<br>Up to 63 panels per XNET network                                                        |
| Desigo Fire Safety Compact (FC20-series / FV20-series) | MP1.x   MP2.x   MP3.x   MP4.x<br>Up to four (4) fire or voice networks<br>Up to 16 panels per SafeDLINK or 32 panels per FCnet                                                                                                                       |
| FireFinder XLS and XLSV                                | MP8   MP10   MP11   MP12<br>Up to four*(4) XNET networks per server or FEP<br>Up to five (5) Front End Processors (FEP) for a maximum of 24 XNET networks per system<br>Up to 63 panels per XNET network                                             |
| MXL / MXLV                                             | MXL/MXLV system with Model MMB-3 running firmware 35.06J and CSGM 18<br>Up to four*(4) XNET networks per server or FEP<br>Up to five (5) Front End Processors (FEP) for a maximum of 24 XNET networks per system<br>Up to 63 panels per XNET network |
| Cerberus PRO Modular                                   | MP1.x   MP2.x<br>Up to four*(4) XNET networks per server or FEP<br>Up to five (5) Front End Processors (FEP) for a maximum of 24 XNET networks per system<br>Up to 63 panels per XNET network                                                        |
| Cerberus PRO Compact (FC92-series / FV92-series)       | MP1.x   MP2.x   MP3.x   MP4.x<br>Up to four (4) fire or voice networks<br>Up to 16 panels per SafeDLINK or 32 panels per C-WEB                                                                                                                       |
| UL / ULC Listings                                      |                                                                                                                                                                                                                                                      |
| UL-864 10th Edition:                                   | Standard for Control Units and Accessories for command and control when installed on a UL-864 approved computer                                                                                                                                      |
| UL 2017 2nd Edition:                                   | General-Purpose Signaling Devices and Systems                                                                                                                                                                                                        |
| UL-2572 2nd Edition:                                   | Standard for Mass Notification                                                                                                                                                                                                                       |
| UL 2610 2nd Edition:                                   | Standard for commercial premises security alarm units and systems                                                                                                                                                                                    |
| UL-294 7th Edition:                                    | Standard for Safety–Access Control System Units                                                                                                                                                                                                      |
| CAN/ULC-S527 3rd Edition:                              | Control Units for Fire Alarm Systems                                                                                                                                                                                                                 |
| CAN/ULC-S559 2nd Edition:                              | Equipment for Fire Signal Receiving Centre and Systems                                                                                                                                                                                               |
| CAN/ULC-S576 2nd Edition:                              | Standard for Mass Notification System Equipment and Accessories                                                                                                                                                                                      |

| Security                           |                                                                                                                                                                                                                                                                                                                              |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video                              | Siveillance Video Core   Video Core Plus   Video Advanced Embedded   Video Advanced   Video Pro<br>Milestone XProtect Essential+   Express+   Professional+   Expert, and Corporate<br>Supported versions:<br>2020 R1 (v20.1a) up to 2023 R1 (v23.1a)<br>Up to 2000 cameras<br>Up to 32 independent video streams per client |
| Access Control                     | SiPass integrated 2.80   2.85<br>Up to 25 SiPass integrated servers<br>Up to 1,000 doors                                                                                                                                                                                                                                     |
| Building Automation                |                                                                                                                                                                                                                                                                                                                              |
| APOGEE                             | BACnet PXC, MBC, MEC controllers (firmware 3.2.4- 3.5.5)<br>BACnet FLN DXR, PTEC, PXC UEC, PPM<br>P2 PXC, MBC, MEC controllers P2 Ethernet (firmware 2.8.10-2.8.20) and RS-485 via AEM (firmware 2.8)<br>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 1.18                                                                                                                                                                                                                                                                           |
| 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                                                                                                                                                                                                                                                                                                                          |
| Virtualization                     |                                                                                                                                                                                                                                                                                                                              |
| Virtual Machines:                  | VMWare vSphere v6.5, v6.7, v7.0, v8.0 supported                                                                                                                                                                                                                                                                              |

\* 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

|                                          |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MODEL NUMBER:</b>                     | <ul style="list-style-type: none"> <li>UHW-CATA-01</li> <li>UHW-CATA-PKG-SM</li> </ul>                                                                                            | <ul style="list-style-type: none"> <li>UHW-CATB-01</li> <li>UHW-CATB-PKG-SM</li> <li>UHW-CATB-PKG-LM</li> </ul>                                                                                                                                                                                                                                         |
| <b>RECOMMENDED USE:</b>                  | Client   Small and Medium FEP   Small and Medium Server                                                                                                                           | Large Server   Large FEP   Client                                                                                                                                                                                                                                                                                                                       |
| <b>APPROX. MAX. # OF FIRE POINTS: **</b> | 19,000                                                                                                                                                                            | 48,000                                                                                                                                                                                                                                                                                                                                                  |
| <b>OPERATING SYSTEM:</b>                 | Microsoft Windows 10 Enterprise   64-bit                                                                                                                                          | UHW-CATB-01: Microsoft Windows 10 Enterprise   64-bit                                                                                                                                                                                                                                                                                                   |
| <b>POWER SUPPLY:</b>                     | Input - AC-DC Power Brick: 100-240VAC 50/60Hz<br>Output - 120W 24VDC                                                                                                              | Input - 100-240VAC @50/60Hz<br>Output - 650W ATX 3.3/5/12 VDC                                                                                                                                                                                                                                                                                           |
| <b>RECOVERY SOLUTION:</b>                | Recovery USB                                                                                                                                                                      | Recovery DVD                                                                                                                                                                                                                                                                                                                                            |
| <b>PROCESSOR:</b>                        | Intel i7-11850HE - 8Cores/16Threads, 2.60GHz-Base/ 4.7GHzTurbo                                                                                                                    | Intel i7-10700TE - 8Cores/16Threads, 2.0GHz-Base/4.4GHz-Turbo                                                                                                                                                                                                                                                                                           |
| <b>CHIPSET:</b>                          | Intel HM570E chipset                                                                                                                                                              | Intel Q470E chipset                                                                                                                                                                                                                                                                                                                                     |
| <b>MEMORY:</b>                           | 32GB DDR4                                                                                                                                                                         | 64GB                                                                                                                                                                                                                                                                                                                                                    |
| <b>PRIMARY DISK DRIVE:</b>               | 1x 512GB SSD, SATA III                                                                                                                                                            | 1x 1TB SSD, SATA III                                                                                                                                                                                                                                                                                                                                    |
| <b>SECONDARY DISK DRIVE:</b>             | 1x 512GB SSD, SATA III                                                                                                                                                            | 1x 2TB HDD, SATA III                                                                                                                                                                                                                                                                                                                                    |
| <b>GRAPHICS CARD:</b>                    | <b>Onboard Intel UHD Graphics for 11th Gen Intel Processors</b><br>One (1) Display Port to DVI adapter included<br>1x - VGA Port   2x - Display Port v1.2a   1x - HDMI Port v2.0b | <b>NVIDIA GeForce RTX 3050, PCIe Gen 4.0 x8, 8GB GDDR6 RAM</b><br>Display Outputs: 1x HDMI v2.1, 3x Display Port v1.4a<br>One (1) mini Display Port to DVI adapters included<br><br><b>Onboard Intel HD Graphics:</b> <ul style="list-style-type: none"> <li>2x DVI Resolution: 1920 x 1200 Max.</li> <li>1x VGA Resolution: 2048 x 1152 Max</li> </ul> |
| <b>VIDEO INTERFACES:</b>                 | 1x - VGA Port   2x - Display Port   1x - HDMI Port                                                                                                                                | 2x - DVI Port   1x - VGA Port   3x - Display Port   1x - HDMI Port                                                                                                                                                                                                                                                                                      |
| <b>OPTICAL DISK DRIVE:</b>               | None                                                                                                                                                                              | DVD-RW                                                                                                                                                                                                                                                                                                                                                  |
| <b>AUDIO INTERFACE:</b>                  | Audio Line Out, Mic. In                                                                                                                                                           | Audio Line Out, Mic. In                                                                                                                                                                                                                                                                                                                                 |
| <b>ETHERNET INTERFACE:</b>               | 1x - 1 GbE, 1x - 2.5 GbE                                                                                                                                                          | 2x - 1 GbE                                                                                                                                                                                                                                                                                                                                              |
| <b>MONITORING CARD:</b>                  | Fan Monitoring & Watchdog card                                                                                                                                                    | Fan Monitoring & Watchdog card                                                                                                                                                                                                                                                                                                                          |
| <b>XNET INTERFACE CARD:</b>              | 1x – Siemens SNC; up to two (2) of Model SNC                                                                                                                                      | 1x – Siemens SNC; up to four (4) of Model SNC                                                                                                                                                                                                                                                                                                           |
| <b>PARALLEL PORTS:</b>                   | None                                                                                                                                                                              | 2x                                                                                                                                                                                                                                                                                                                                                      |
| <b>SERIAL PORTS:</b>                     | 2x – RS-232 ports                                                                                                                                                                 | 2x – RS-232, serial                                                                                                                                                                                                                                                                                                                                     |
| <b>USB PORTS:</b>                        | 1x – USB 2.0 Ports;<br>4x – USB 3.0 Ports                                                                                                                                         | 2x – USB 3.0; 3x – USB 2.0<br><b>Note:</b> 2x USB2.0 are behind the door                                                                                                                                                                                                                                                                                |
| <b>KEYBOARD:</b>                         | USB keyboard; 104 key, black                                                                                                                                                      | USB keyboard; 104 key, black                                                                                                                                                                                                                                                                                                                            |
| <b>MOUSE:</b>                            | USB optical mouse, black                                                                                                                                                          | USB optical mouse, black                                                                                                                                                                                                                                                                                                                                |
| <b>CHASSIS:</b>                          | Compact Form Factor   Aluminum   Semi-gloss   black                                                                                                                               | All-metal Enclosure   Lockable front-door protects power switch   Reset switch   <b>black</b>                                                                                                                                                                                                                                                           |
| <b>CHASSIS MOUNT OPTIONS:</b>            | 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                                                                                                                                                                                                                                                                                            |
| <b>DIMENSIONS:</b>                       | 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}                                                                                                                                                                                                                                                                                         |
| <b>WEIGHT:</b>                           | 8.5 Lbs. (3.9 kg.)                                                                                                                                                                | 39 Lbs. (17.5 kg.)                                                                                                                                                                                                                                                                                                                                      |
| <b>CERTIFICATIONS:</b>                   | UL864   ULC-S527   UL 2572   FCC Class A   RoHS   CE                                                                                                                              | UL864   ULC-S527   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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Server Hardware / Software Packages</b> |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UHW-CATA-PKG-SM                            | S54465-C82-A1 | <b>Items relative to Model UHW-CATA-PKG-SM</b> <ul style="list-style-type: none"> <li>one (1) Hardware Category A Computer: Model UHW-CATA-01</li> <li>one (1) 24" (61 cm) LCD Monitor: Model UHW-DISP-SM-NT</li> <li>one (1) Serial Network Card for XNET connection: Model SNC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UHW-CATB-PKG-SM                            | S54465-C82-A2 | <b>Items relative to Model UHW-CATB-PKG-SM</b> <ul style="list-style-type: none"> <li>one (1) Hardware Category B Computer: Model UHW-CATB-01</li> <li>one (1) 24" (61 cm) LCD Monitor: Model UHW-DISP-SM-NT</li> <li>one (1) Serial Network Card for XNET connection: Model SNC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UHW-CATB-PKG-LM                            | S54465-C83-A1 | <b>Items relative to Model UHW-CATB-PKG-LM</b> <ul style="list-style-type: none"> <li>one (1) Hardware Category B Computer: Model UHW-CATB-01</li> <li>one (1) 43" (109 cm) LCD Monitor: Model UHW-DISP-LM-NT</li> <li>one (1) Serial Network Card for XNET connection: Model SNC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Computers Only</b>                      |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UHW-CATA-01                                | S54465-C73-A1 | <b>Items relative to Model UHW-CATA-01</b> <ul style="list-style-type: none"> <li>UL / ULC Listed Hardware Category A Computer Windows 10</li> <li>one (1) Serial Network Card for XNET connection: Model SNC</li> <li>no monitor</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UHW-CATB-01                                | S54465-C73-A2 | <b>Items relative to Model UHW-CATB-01</b> <ul style="list-style-type: none"> <li>UL / ULC Listed Hardware Category B Computer Windows 10</li> <li>one (1) Serial Network Card for XNET connection: Model SNC</li> <li>no monitor</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Monitors Only</b>                       |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UHW-DISP-SM-NT                             | S54465-C90-A1 | UL / ULC Listed 24" (61 cm) LCD Monitor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UHW-DISP-LM-NT                             | S54465-C9-A2  | UL / ULC Listed 43" (109 cm) LCD Monitor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| UHW-DISP-SM-TS                             | S54465-C91-A1 | UL/ULC Listed 24" (61 cm) Touch Screen Monitor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UHW-DISP-LM-TS                             | S54465-C9-A1  | UL/ULC Listed 43" (109 cm) Touch Screen Monitor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>XNET Interfaces</b>                     |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SNC                                        | S54400-N1-A1  | XNET Interface Card for Desigo Fire Safety Modular, FireFinder XLS, and MXL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MOSA                                       | S54465-C62-A1 | <p>XNET Monitoring-Only Solution Assembly:<br/>Model MOSA includes:</p> <ul style="list-style-type: none"> <li>one (1) Serial Network Card for XNET connection: Model SNC</li> <li>one (1) Exterior enclosure with key-lock: Model ENCL-01</li> <li>one (1) XNET interface module: Model XND-M</li> <li>one (1) Serial-to-Ethernet Module: Model S2E</li> <li>one (1) up to 5A power supply: Model PS-5A</li> <li>one (1) set of cables: Model CBL-M</li> </ul> <p>Cables included in each Model CBL-M shipment</p> <ul style="list-style-type: none"> <li>Two (2) Model S2E power cables (1 red, 1 black)</li> <li>One (1) Model XND-M power cable</li> <li>One (1) Model NIC-C-to-interface (Model XND-M) cable, 10 feet (3m)</li> </ul> |

## Details for Ordering – (continued)

| MODEL OR TYPE                                                         | PART NUMBER      | PRODUCT                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Network Switches</b>                                               |                  |                                                                                                                                                                                                                                                                                                                                                    |
| XC206-2SFP-MM                                                         | S54465-A1-A1     | <b>Multi-mode SCALANCE network switch   Model XC206-2SFP-MM</b> <ul style="list-style-type: none"> <li>• UL/ ULC* Listed</li> <li>• Six (6) Ethernet Ports</li> <li>• Two (2) sets of multi-mode fiber ports</li> </ul>                                                                                                                            |
| XC206-2SFP-SM                                                         | S54465-A2-A1     | <b>Single-mode SCALANCE network switch   Model XC206-2SFP-SM</b> <ul style="list-style-type: none"> <li>• UL/ULC* Listed</li> <li>• Six (6) Ethernet Ports</li> <li>• Two (2) sets of single mode fiber ports</li> </ul>                                                                                                                           |
| FN2012-A1                                                             | S54400-B152-A1   | <b>Modular Ethernet Switch   Model FN2012-A1   UL/ULC* Listed</b>                                                                                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                                                                                                   |
| <b>Licenses</b>                                                       |                  |                                                                                                                                                                                                                                                                                                                                                    |
| CCA-STD-FSET                                                          | P55802-Y114-A100 | <b>Standard Feature License that includes:</b> <ul style="list-style-type: none"> <li>• one (1) client license</li> <li>• can be extended with Client licenses and point licenses</li> </ul>                                                                                                                                                       |
| CCA-CMPT-DMS                                                          | P55802-Y110-A100 | <b>Fire Safety Management Compact Feature Set license:</b> <ul style="list-style-type: none"> <li>• Includes three (3) client licenses and 500 Fire Point licenses</li> <li>• can be extended to support up to 2000 Fire Points; no additional clients can be added</li> <li>• The Graphics Editor is the only option that can be added</li> </ul> |
| <b>Feature Options for Fire Safety Management Compact Feature Set</b> |                  |                                                                                                                                                                                                                                                                                                                                                    |
| CCA-OP-GRAPH-ED                                                       | P55802-Y127-A300 | <b>Graphics Editor Option:</b> <ul style="list-style-type: none"> <li>• allows end-users to edit graphics (without this option, graphics must be edited using an Engineering License)</li> </ul>                                                                                                                                                   |
| CCA-CMPT-DMS-U                                                        | P55802-Y110-A500 | <b>Upsell license:</b> <ul style="list-style-type: none"> <li>• for converting DMS Compact Feature Set into a Standard Feature Set</li> </ul>                                                                                                                                                                                                      |
| <b>Clients ( Installed   Flex   Windows App )</b>                     |                  |                                                                                                                                                                                                                                                                                                                                                    |
| CCA-1-CL                                                              | P55802-Y119-A200 | <b>License for one (1) additional client:</b> <ul style="list-style-type: none"> <li>• valid for all client types</li> </ul>                                                                                                                                                                                                                       |
| CCA-MAX-CL                                                            | P55802-Y120-A200 | <b>License to allow for maximum number of clients:</b> <ul style="list-style-type: none"> <li>• valid for all client types</li> </ul>                                                                                                                                                                                                              |
| <b>Fire Points</b>                                                    |                  |                                                                                                                                                                                                                                                                                                                                                    |
| 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 fire points                                                                                                                                                                                                                                                                                                                               |
| CCA-10000-FIRE                                                        | P55802-Y158-A414 | Add 10000 fire points                                                                                                                                                                                                                                                                                                                              |
| <b>Video Monitors and Cameras</b>                                     |                  |                                                                                                                                                                                                                                                                                                                                                    |
| 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                                                                                                                                                                                                                                                                                                                           |
| <b>Access Control</b>                                                 |                  |                                                                                                                                                                                                                                                                                                                                                    |
| 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                                                                                                                                |
|-------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>SCADA Points</b>           |                  |                                                                                                                                        |
| 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                                                                                                                  |
| <b>Connectivity</b>           |                  |                                                                                                                                        |
| CCA-1-INT-TK                  | P55802-Y180-A410 | Add one (1) integration token for 3rd party extension modules<br>• One or more integration tokens may be required per extension module |
| <b>Supplementary Licenses</b> |                  |                                                                                                                                        |
| 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 or CMD.06 dongle                                                                      |
| CMD.06                        | S55802-Y185      | Universal Serial Port (USB) License Hardware key (dongle)                                                                              |

### 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 and Windows 11<br>(or Microsoft Windows Server 2019/2022 for Small Server) | Microsoft Windows Server 2019/2022 |
| 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, XC206-2SFP-MM or XC206-2SFP-SM). Computer not included.

#### Hardware Requirements

| Usage / System Size      | Small Server (+) / Client / FEP                                                            | Large Server (#)                   |
|--------------------------|--------------------------------------------------------------------------------------------|------------------------------------|
| Operating System         | Microsoft Windows 10<br>(or Microsoft Windows Server 2019 and Windows 11 for Small Server) | Microsoft Windows Server 2019/2022 |
| 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 48,000 addressable fire points

(\*) One internal USB 2.0 header is required for each SNC card to be installed. USB 2.0 connector cable is included with SNC package. Replacement cables can be purchased. Contact Product Manager for details. (Required for **BSIU applications only**; not required for Monitoring-only applications)

| Product Compatibilities    |           |                                                  |
|----------------------------|-----------|--------------------------------------------------|
| MODEL OR TYPE              | DATASHEET | 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](http://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.

**SIEMENS**

**Desigo® CC**

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