

Cerberus® DMS

Danger Management Station (Version 7.0)

Architect and Engineer Specifications

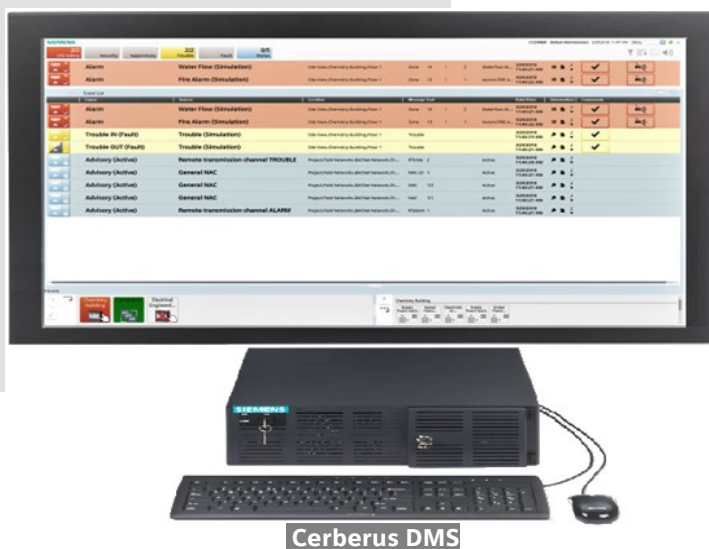
- Industry-leading, pane-based management station that provides critical data in a single view
 - Constant display of all active events
 - Highest priority events are highlighted
 - User Interface (UI) can be configured to support basic-to-advanced needs
 - User profiles can be created, based on various end-user needs
- Built on a robust Siemens platform that is used worldwide in critical installations
- Full integration of fire safety and video surveillance 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: Cerberus PRO Modular, FireFinder® XLS, MXL, and Cerberus PRO Compact
- Monitors and controls up to 63 fire panels per Cerberus PRO Modular, FireFinder® XLS, MXL network
- Up to 32 Cerberus PRO Compact panels per network
- Support CO detection with ASAt technology™
- 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) - Cerberus DMS 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 systems that include video surveillance
- UL and ULC recognized as an ancillary annunciator when used with a non-UL864 / ULC-S537-11 Listed computer that is connected to a Cerberus PRO Modular, FireFinder® XLS, MXL, and Cerberus PRO Compact
- CSFM (#7165-0067:0267) and FDNY Approved
- Agency-listed for remote access (monitoring only) via a Virtual Private Network (VPN) connection

Introduction

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

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

Cerberus DMS, which is ideally suited for monitoring and controlling both Fire Only and Fire and Voice, Cerberus PRO Modular, FireFinder® XLS, MXL, and Cerberus PRO Compact.



Cerberus DMS



Key Features

Client-Server Design

Cerberus DMS has a flexible, full-system design that integrates and enables customized workflow configurations. Cerberus DMS 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 Cerberus DMS can be transferred from the server to a client.

User Interface

A Cerberus DMS User Interface (UI) displays all critical data in a single view, therefore providing faster, more accurate response to events. Additionally, it makes Cerberus DMS easy-to-use, learn.

The following components comprise an UI:

Summary Bar

The Summary Bar serves as an important source of data for Cerberus DMS 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 commercial facility.

Pane-based workflow provides the following features:

System Manager – used for navigating Cerberus DMS to view and control conditions; to analyze historical operation, as well as to configure Cerberus DMS.

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 commercial complex 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 Cerberus DMS (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 – Cerberus DMS provides rapid response to system events through Investigative Treatment. When a system event occurs, Cerberus DMS 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 Cerberus DMS 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 Cerberus DMS 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 Cerberus DMS. 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 a Cerberus DMS.

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

Graphics used in a Cerberus DMS 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.

Cerberus DMS also provides a dependable 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 Cerberus DMS.

The following file types are supported:

.DWG | .DXF | .PNG | .BMP | .GIF | .JPG | .JPEG | .TIF | .TIFF | .RLE | .ICO

Notification

A Cerberus DMS 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 Cerberus DMS 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 Cerberus DMS to monitor and control stand-alone (i.e., single panel / non-networked) Cerberus PRO Modular and FireFinder XLS/XLSV MP12 fire panels or networked XNET subnet of Cerberus PRO Modular MP2.0 fire panels via a point-to-point connection between Cerberus DMS and the fire panel by using HUB-4 communication cards with either RS-485 or Modem connectivity. A maximum of 366 panels can be connected on the Cerberus DMS 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 Cerberus DMS 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 Cerberus DMS 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.

Remote Access

A Cerberus DMS 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 Cerberus DMS 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 Cerberus DMS 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 Cerberus DMS 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 Cerberus DMS 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 Cerberus DMS 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

Cerberus DMS 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

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

Cerberus DMS 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 Cerberus DMS Front End Process (FEP) configuration.

A Cerberus DMS 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 system applications.

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	
Cerberus DMS Server, FEP, and Installed Clients	MS Windows 10 64-bit / MS Windows 11 (Professional Enterprise) MS Windows Server : 2019 64-bit / 2022
Flex Clients and Windows App Clients	MS Windows 10 64-bit / MS Windows 11 (Professional Enterprise)
Microsoft (MS) SQL Server Database	
Cerberus DMS Server, FEP, and Installed Clients	MS SQL Windows Server 2019 / 2022 (Standard Express Enterprise) NOTE: 2019 R2 Express is free and included with the product
Microsoft (MS) Office	
Cerberus DMS Server, FEP, and Installed Clients	MS Office 365 / MS Office 2019, 2016 (Standard Small Business Professional Enterprise)

Virus Scanners	
Cerberus DMS Server, FEP, and Installed Clients	Microsoft Windows Defender Antivirus Kaspersky Avira McAfee Bitdefender
Firewalls	
Cerberus DMS Server, FEP, and Installed Clients	Microsoft Windows Defender Firewall Bitdefender McAfee

Supported Sub-Systems and Protocols

Fire Safety	
Cerberus PRO Modular	MP1.x MP2.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.x MP4.x Up to four (4) fire or voice networks Up to 16 panels per SafeDLINK or 32 panels per C-WEB
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
Desigo Fire Safety Modular	MP1.x MP2.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.x MP4.x Up to four (4) fire or voice networks Up to 16 panels per SafeDLINK or 32 panels per FCnet
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 Milestone XProtect Essential+ Express+ Professional+ Expert, and Corporate Supported versions: 2020 R1 (v20.1a) up to 2023 R1 (v23.1a) Up to 2000 cameras Up to 32 independent video streams per client
Access Control	SiPass integrated 2.80 2.85 Up to 25 SiPass integrated servers Up to 1,000 doors
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)
MODEL NUMBER:	- UHW-CATA-01 - UHW-CATA-PKG-SM	- UHW-CATB-01 - UHW-CATB-PKG-SM - UHW-CATB-PKG-LM
RECOMMENDED USE:	Client Small and Medium FEP Small and Medium Server	Large Server Large FEP Client
APPROX. MAX. # OF FIRE POINTS: **	19,000	48,000
OPERATING SYSTEM:	Microsoft Windows 10 Enterprise 64-bit	UHW-CATB-01: Microsoft Windows 10 Enterprise 64-bit
POWER SUPPLY:	Input - AC-DC Power Brick: 100-240VAC 50/60Hz Output - 120W 24VDC	Input - 100-240VAC @50/60Hz Output - 650W ATX 3.3/5/12 VDC
RECOVERY SOLUTION:	Recovery USB	Recovery DVD
PROCESSOR:	Intel i7-11850HE - 8Cores/16Threads, 2.60GHz-Base/4.7GHzTurbo	Intel i7-10700TE - 8Cores/16Threads, 2.0GHz-Base/4.4GHz-Turbo
CHIPSET:	Intel HM570E chipset	Intel Q470E chipset
MEMORY:	32GB DDR4	64GB
PRIMARY DISK DRIVE:	1x 512GB SSD, SATA III	1x 1TB SSD, SATA III
SECONDARY DISK DRIVE:	1x 512GB SSD, SATA III	1x 2TB HDD, SATA III
GRAPHICS CARD:	Onboard Intel UHD Graphics for 11th Gen Intel Processors One (1) Display Port to DVI adapter included 1x - VGA Port 2x - Display Port v1.2a 1x - HDMI Port v2.0b	NVIDIA GeForce RTX 3050, PCIe Gen 4.0 x8, 8GB GDDR6 RAM Display Outputs: 1x HDMI v2.1, 3x Display Port v1.4a One (1) mini Display Port to DVI adapters included Onboard Intel HD Graphics: 2x DVI Resolution: 1920 x 1200 Max 1x VGA Resolution: 2048 x 1152 Max
VIDEO INTERFACES:	1x - VGA Port 2x - Display Port 1x - HDMI Port	2x - DVI Port 1x - VGA Port 3x - Display Port 1x - HDMI Port
OPTICAL DISK DRIVE:	None	DVD-RW
AUDIO INTERFACE:	Audio Line Out, Mic. In	Audio Line Out, Mic. In
ETHERNET INTERFACE:	1x - 1 GbE, 1x - 2.5 GbE	2x - 1 GbE
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
USB PORTS:	1x – USB 2.0 Ports; 4x – USB 3.0 Ports	2x – USB 3.0; 3x – USB 2.0 Note: 2x USB2.0 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 recommended 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 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 Cerberus PRO 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 - one (1) Hardware Category A Computer: Model UHW-CATA-01 - one (1) 24" (61 cm) LCD Monitor: Model UHW-DISP-SM-NT - one (1) Serial Network Card for XNET connection: Model SNC
UHW-CATB-PKG-SM	S54465-C82-A2	Items relative to Model UHW-CATB-PKG-SM - one (1) Hardware Category B Computer: Model UHW-CATB-01 - one (1) 24" (61 cm) LCD Monitor: Model UHW-DISP-SM-NT - one (1) Serial Network Card for XNET connection: Model SNC
UHW-CATB-PKG-LM	S54465-C83-A1	Items relative to Model UHW-CATB-PKG-LM - one (1) Hardware Category B Computer: Model UHW-CATB-01 - one (1) 43" (109 cm) LCD Monitor: Model UHW-DISP-LM-NT - one (1) Serial Network Card for XNET connection: Model SNC
Computers Only		
UHW-CATA-01	S54465-C73-A1	Items relative to Model UHW-CATA-01 - 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 / ULC Listed Hardware Category B Computer Windows 10 - one (1) Serial Network Card for XNET connection: Model SNC - no monitor
Monitors Only		
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
XNET Interfaces		
SNC	S54400-N1-A1	XNET Interface Card for Cerberus PRO Modular, FireFinder XLS, and MXL
MOSA	S54465-C62-A1	XNET Monitoring-Only Solution Assembly: Model MOSA Includes: - 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: - 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		
XC206-2SFP-MM	S54465-A1-A1	Multimode SCALANCE network switch Model XC206-2SFP-MM - UL/ULC Listed - Six (6) Ethernet Ports - Two (2) sets of multi-mode fiber ports
XC206-2SFP-SM	S54465-A2-A1	Single-mode SCALANCE network switch Model XC206-2SFP-SM - UL/ULC Listed - Six (6) Ethernet Ports - Two (2) sets of single 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: - one (1) client license - can be extended with Client licenses and point licenses
CCA-CMPT-DMS	P55802-Y110-A100	Danger Management Compact Feature Set license: - 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 - Graphics Editor is the only option that can be added
Feature Options for Danger Management Compact Feature Set		
CCA-OP-GRAPH-ED	P55802-Y127-A300	Graphics Editor Option: - 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: for converting DMS Compact Feature Set into a Standard Feature Set
Clients (Installed Flex Windows App)		
CCA-1-CL	P55802-Y119-A200	License for one (1) additional client: valid for all client types
CCA-MAX-CL	P55802-Y120-A200	License to allow for maximum number of clients: 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 fire points
CCA-10000-FIRE	P55802-Y158-A414	Add 10000 fire 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

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 3 rd party extension modules • 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 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 (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 (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 66,000 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	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)
Cerberus PRO Modular	8300	Cerberus PRO Modular (overview)
FC922	9815	Cerberus PRO 252-point addressable (fire)
FC924		Cerberus PRO 504-point addressable (fire)
FV922	9821	Cerberus PRO 252-point addressable (voice)
FV924		Cerberus PRO 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.

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Cerberus® DMS

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February - 2025
(Rev. 14)