



FC726

Cerberus™ PRO

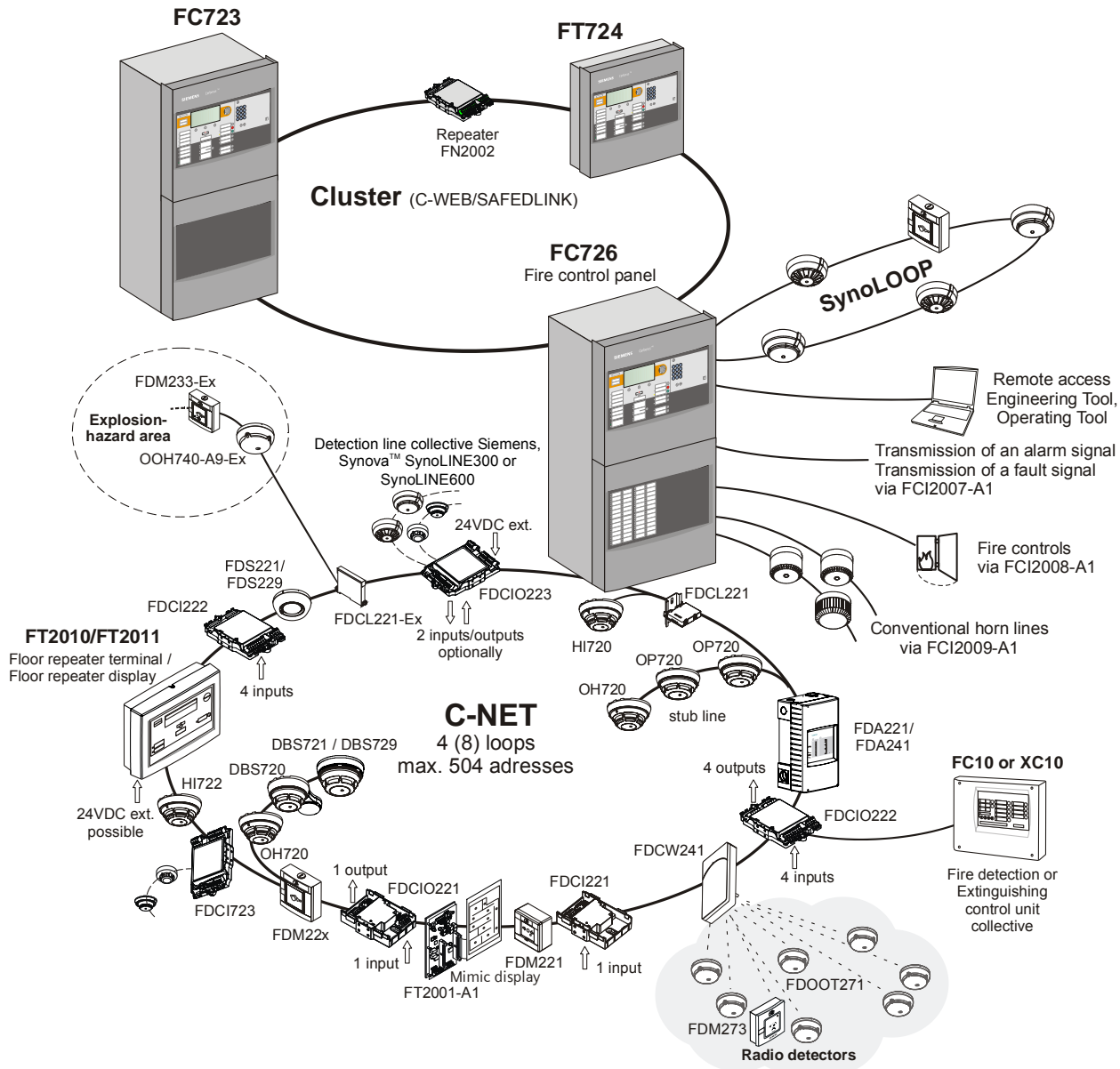
Fire control panel (modular)



FS720 series, IP6

- **Modular, pre-assembled, microprocessor-controlled fire control panel with user-friendly integrated operating unit for up to 1512 addresses**
- **Processes signals from various detector series:**
 - FD720 devices from the Cerberus Pro series
 - SynoLOOP devices
- **Fire control panel can be used as a standalone version or can be networked**
- **Up to 64 stations, such as control panels and terminals, can be linked to form a network**
- **Integrated degraded mode function**
- **Redundant network node, degraded mode operation according to EN 54**
- **Fast Ethernet interface for a heterogeneous network**
- **Can be extended by adding printer, key switches, LED indicators**
- **Card cage for up to five module bus cards (line and I/O cards)**
- **Hot plug system: Module bus cards can be changed during operation.**
- **Slots for RS232, RS485 serial ports**
- **Emergency power supply for emergency operating time of up to 72 hours**
- **Detection and automatic reading in (auto-configuration) of all Cerberus PRO devices, ready for operation immediately**
- **Floor repeater devices, alarm devices, and mimic displays on C-NET detector line**
- **Flexible configuration of complex applications and controls**

System overview



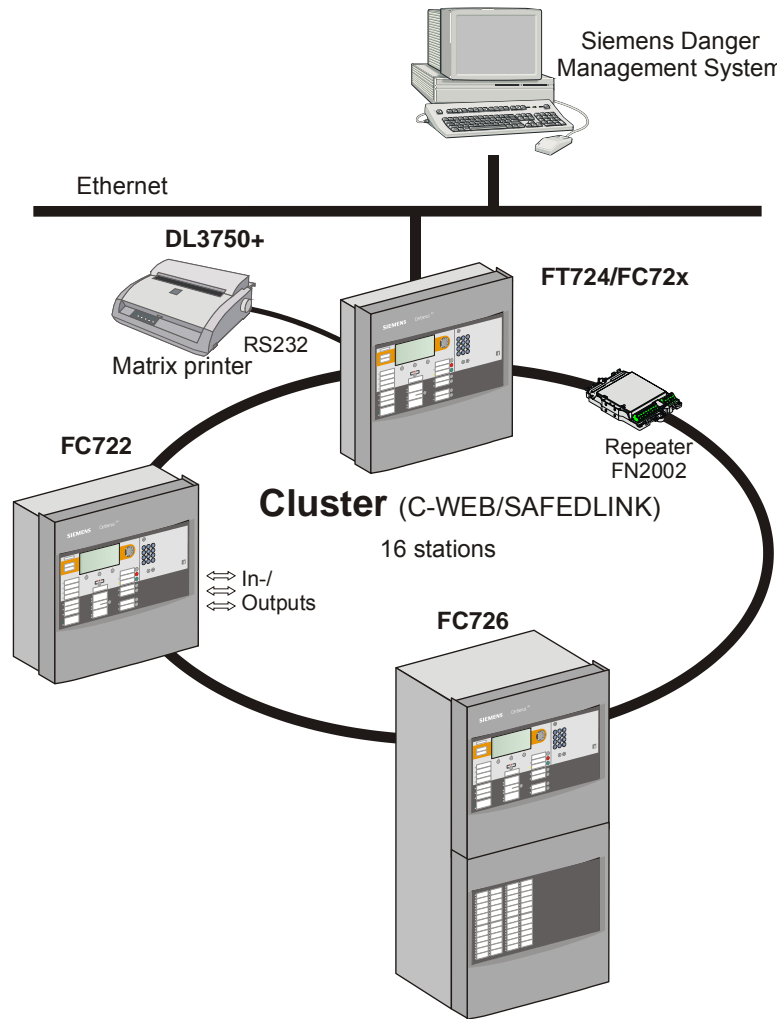
Possible extensions for card cage with five slots

FCL2001-A1	Line card (FDnet/C-NET)	4x loops each with a maximum of 252 addresses, max. of 252 addresses per line card
FCL7201-Z3	Line card (SynoLOOP)	4x loops each with a maximum of 128 addresses, max. of 512 addresses per line card
FCI2007-A1	I/O card (RT)	Outputs for alarm, fault, local alarm
FCI2008-A1	I/O card (programmable)	12x freely programmable inputs/outputs per I/O card
FCI2009-A1	I/O card (horn/monitored)	8x monitored horn outputs or monitored outputs

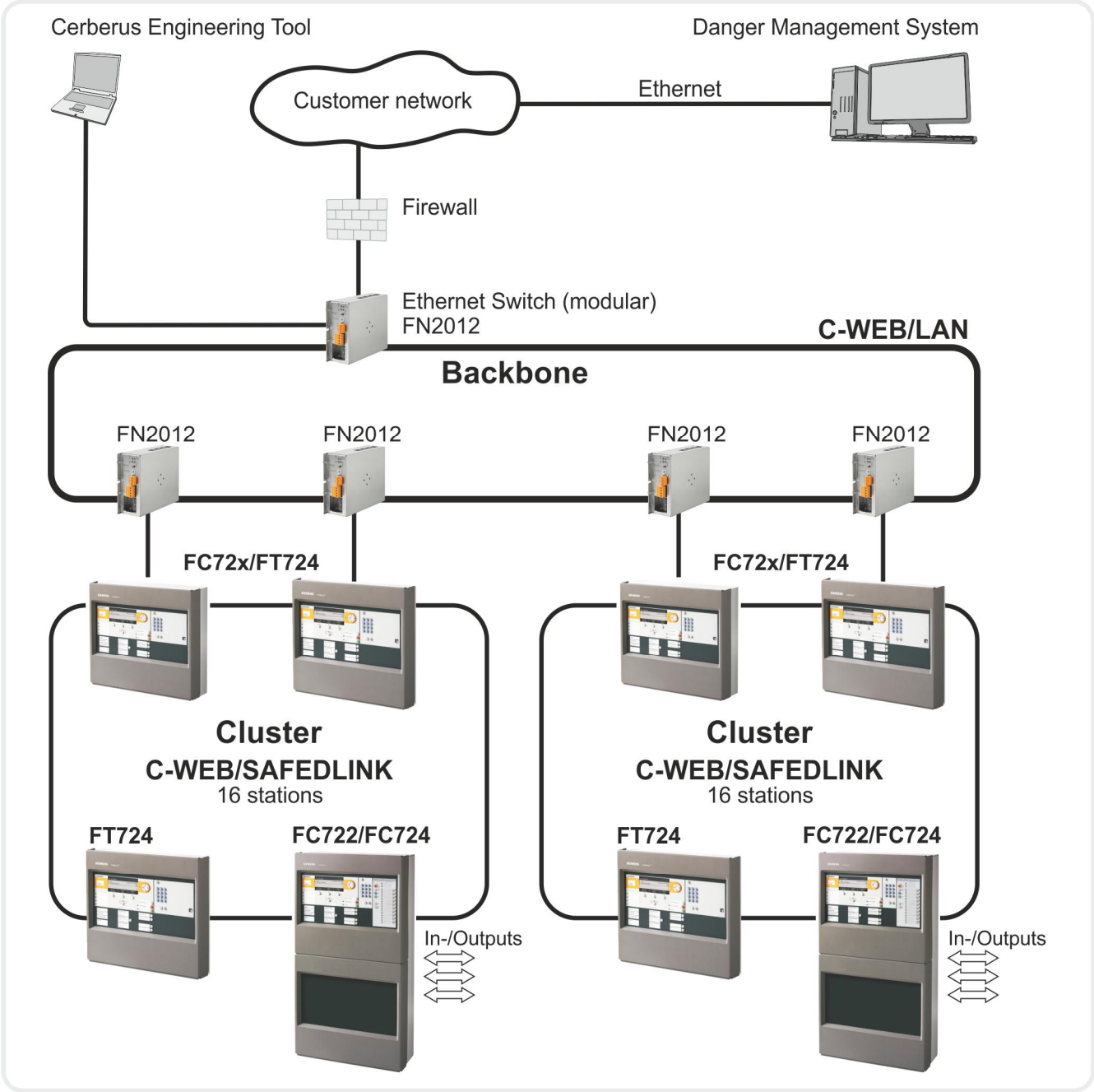
Mixed usage possible, but with a max. of 1512 addresses per control panel

Networking of several fire control panels

Up to 32 control panels and terminals can be linked to form a cluster (C-WEB/SAFEDLINK network). If the cluster is connected to a danger management system via BACnet, up to 16 control panels and terminals can be networked.



An optical Ethernet network (C-WEB/LAN) allows up to 14 clusters with up to 16 stations to be operated on one network. A maximum of 64 stations is supported in total.



You will find details of system networking in product data sheet A6V10227649.

- **The FC726 is a modular fire control panel with integrated operating unit that is intended for large sites and for modernizing existing large fire detection installations based on earlier systems.**
- **The FC726 processes signals from Cerberus PRO FD720 devices and from addressable devices based on earlier systems.**
- **The control panel may be used as a standalone unit or networked.**
- **The control panel and the fire detection system are custom-configured using the Cerberus-Engineering-Tool software.**
- **There is a card cage with five slots for inserting the following module bus cards:**
 - Line card (FDnet/C-NET) FCL2001-A1 (for extra lines)
 - Line card (SynoLOOP) FCL7201-Z3
 - I/O card (configurable) FCI2008-A1
 - I/O card (horn/monitored) FCI2009A1
 - I/O card (RT) FCI2007-A1
- **Mixed use of all module bus cards – line and I/O cards – is possible**
- **In the event of a defect, the module bus cards can be replaced without the control panel having to be powered down.**
- **Customer texts can be adapted directly on the operating unit of the control panel or with the Cerberus-Engineering-Tool software.**
- **Up to 2000 events can be retrieved from the event memory based on various criteria.**
- **Automatic summer/winter time changeover**
- **Siemens danger management system can be connected**

Function elements

Operating unit

The following elements are available on the operating unit:

- CPU module and electronics
- Ethernet connection
- Slots for RS232 and RS485 modules and network modules (SAFEDLINK)
- Space for 'Kaba' or 'Nordic' key switch
- Space for event printer
- Peripheral data bus connection for optional LED modules

Periphery board

The following elements are available on the periphery board:

- Connection terminals for C-NET lines (four loops with max. 504 devices), remote transmission (alarm, fault), horn outputs, configurable control inputs and outputs, monitored alarm and fault output, emergency supply, power supply
- Two slots for loop extension (C-NET)

Card cage (5 slots)

There is a card cage on the rear housing panel for using up to five module bus cards.

Power supply unit 150 W, emergency power supply

The power supply feeds the hardware and charges the batteries.

In the event of a power cut, the batteries provide emergency current.

Housing

A pivoting mounting plate can be fitted for the following elements above the periphery board on the rear housing panel:

- 1x fire brigade periphery module
- 2x sounder modules (as an alternative to mounting on U-rail TS35)

Configuration

The FXS7212 Cerberus-Engineering-Tool allows the system to be customized.

Application ranges

The FC726 is ideal for medium-sized applications, e.g., for use in hotels, high schools, or office complexes. Within the context of modernization, it allows a gradual and seamless transition from older systems to Cerberus PRO.










However, thanks to the flexible networking options, the FC726 can also be used for large-scale sites.

Operation

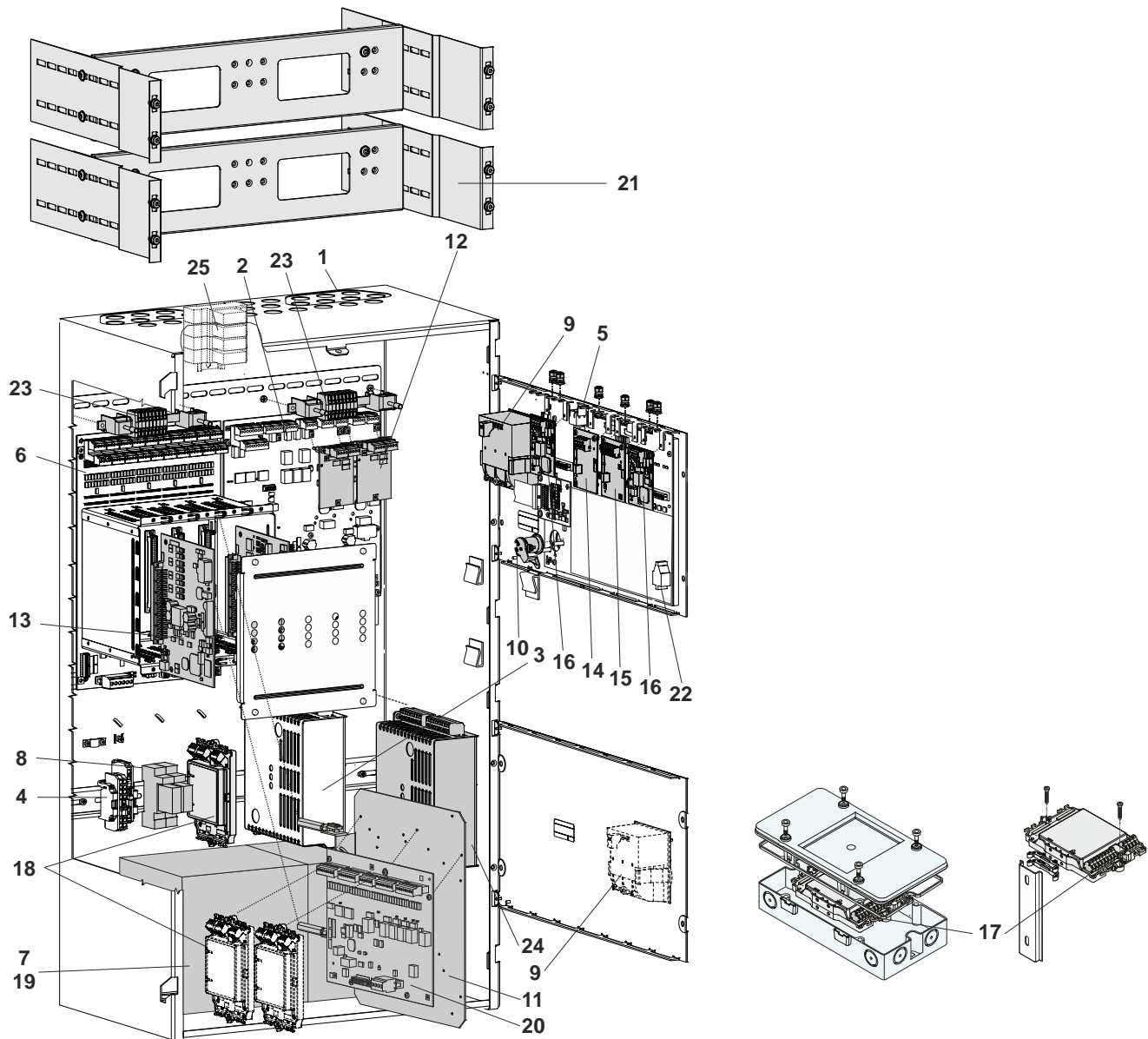
Each control unit has an integrated operating unit. The control panel can also be operated via a separate FT724 fire terminal.

You will find details and more information in product data sheet A6V10207898.

Overview of FC726 fire control panel (modular)

Control panel		Housing extensions			
<p>FC726-ZA Housing (Large)</p>  <p>4 loops with card cage for five module bus cards with power supply (150 W) Max. battery capacity 45 Ah</p>		<p>FH7204-Z3 Housing (Large Extension) 430 x 398 x 283 mm</p>  <p>Space for larger batteries 2x FA2007-A1 (45 Ah) or 2x FA2008-A1 (65 Ah)</p>	<p>FH7205-Z3 Housing (Large) 430 x 796 x 283 mm</p>  <p>For operating add-ons or Event printer Space for larger batteries 4x FA2006-A1 (26 Ah) or 4x FA2007-A1 (45 Ah) or 2x FA2008-A1 (65 Ah)</p>		
<p>Printer</p> <p>FTO2001-A1 Event printer</p>  <p>RS232 module must be ordered separately</p>	<p>External printer</p> <p>DL3750+ Matrix printer (external) RS232 interface</p>  <p>RS232 module must be ordered separately</p>	<p>Operating accessories</p> <td> <p>FCM7213-Y3 48 indicator groups with one red/green + one yellow LED each</p>  <p>for retrofitting Note installation depth (battery)</p> </td> <td> <p>FCM7214-Y3 96 indicator groups with one red/green + one yellow LED each</p>  <p>for retrofitting Note installation depth (battery)</p> </td>		<p>FCM7213-Y3 48 indicator groups with one red/green + one yellow LED each</p>  <p>for retrofitting Note installation depth (battery)</p>	<p>FCM7214-Y3 96 indicator groups with one red/green + one yellow LED each</p>  <p>for retrofitting Note installation depth (battery)</p>

Layout of FC726 inside housing (Large)





Basic equipment	Designation	Notes
1 Housing (Large)	FH7205-Z3	Items 1-6: Basic equipment
2 Periphery board (4 loops)	FCI2004-A1	
3 Power supply (SV 24V-150 W)	V24230-Z6-A5	
4 Mains terminals on TS35 DIN rail	–	Space for socket, relay modules
5 Operating unit	FCM72xx-xx	Operating unit with CPU
6 Card cage (5 slots)	FCA2008-A1	For five module bus cards
7 Space for batteries	–	2x 12 V/17...45 Ah

Extensions			
8	Relay module	Z3B171	Relay for fire controls
9	Event printer	FTO2001-A1	For logging events
10	Key switch (Kaba)	FTO2005-C1	For operating access authorization
	Key switch (nordic)	FTO2006-B1	
11	Mounting plate	FHA2007-A1	E.g., for fire brigade periphery module
12	Loop extension (FDnet/C-NET)	FCI2003-A1	For extending the number of loops from two to four, the number of addresses remains the same
13	Module bus cards:		
–	Line card (FDnet/C-NET)	FCL2001-A1	For four extra C-NET lines
–	Line card (SynoLOOP)	FCL7201-Z3	For four extra SynoLOOP lines
–	I/O card (programmable)	FCI2008-A1	For twelve configurable inputs/outputs
–	I/O card (horn/monitored)	FCI2009-A1	For eight monitored horn outputs
–	I/O card (RT)	FCI2007-A1	For extra alarm and fault outputs
14	RS485 module (isolated)	FCA2002-A1	For peripheral devices with RS485 interface
15	RS232 module (isolated)	FCA2001-A1	for participant with RS232 interface
16	Network module (SAFEDLINK)	FN2001-A1	For networking several stations
17	Repeater (SAFEDLINK)	FN2002-A1	For extending the C-WEB system bus, max. 1x repeater (SAFEDLINK) between two stations (mounted directly on a plane surface, on a TS35 U-rail, or in housing FDCH221)
18	Sounder module	FCA2005-A1	For splitting one conventional sounder into four
19	Battery (12 V, 26 Ah, VDS)	FA2006-A1	For the emergency power supply
	Battery (12 V, 45 Ah, VDS)	FA2007-A1	
20	Fire brigade periphery module	FCI2001-D1	For Germany (FBF, FSD, ÜE, FSE, ÖA, KL)
21	19" mounting kit	FHA2016-A1	For installation in 19" third-party housing
22	License key Sx	FCA20xx	For special functions
23	Cable kit (communication)	FCA2014-A1	For flexible connections running to the modules on the operating unit
24	Power supply kit (150 W, B)	FP2005-A1	For extra power supply
25	Relay module	Z3B171	Space for U-rail TS35 L=70 mm with max. four relay modules

Technical data

Mains voltage	AC 115/230 V +10/-15 %
Power supply	150 W
Operating voltage	DC 21...28.4 V
Operating current	Max. 5 A
Battery capacity	2x 12 V, 45 Ah
Battery monitoring	Yes
Mains supervision	Yes
Connectable Cerberus PRO detector series	FD720 (C-NET)
Other addressable detectors which can be connected	SynoLOOP
Number of C-NET & SynoLOOP addresses	Max. 1512
Number of C-NET addresses	Max. 1512
Max. number of SynoLOOP addresses	Max. 1010
Number of integrated lines	
C-NET loops or stubs	4/8
– with loop extension	8/16
Number of extra lines	
C-NET (4 loops or stubs per line card)	Max. 20 loops/stubs
SynoLOOP (4 loops or stubs per line card)	Max. 20 loops/stubs
Integrated inputs/outputs	
– Relay output for RT alarm/RT fault	1/1
– Monitored outputs for alarm/fault/horn	1/1/2
– Freely configurable inputs/outputs	12
Additional I/O cards	
I/O card (configurable)	12x configurable inputs/outputs 2x supply outputs 24 V
I/O card (horn/monitored)	8x monitored horn outputs

I/O card (RT)	1x alarm relay output and 1x fault relay output 1x voltage output 24 V 2x GPIO 1x monitored fault output 2x configurable outputs, monitored
Operating unit	Integrated
Slots for RS232, RS485 serial ports	2
Slots for network modules	2
Slots for loop extension	2
Slots for module bus cards (on integrated card cage)	Max. 5
Mounting spaces for cable kit (communication)	2
Sounder module	Max. 2
Ethernet port RJ45	1
Operating temperature	-8...+42 °C
Storage temperature	-20...+60 °C
Air humidity (no condensation permitted)	≤95 % rel.
Dimensions (W x H x D)	
- Without cover cap	430 x 796 x 260 mm
- With cover cap	430 x 796 x 283 mm
Color	
- Housing	~RAL 7035, light gray
- Cover cap	~RAL 000 50 00
Protection category (IEC 60529)	IP30
Approvals	
- VdS	G210084
- LPCB	126bn/08
- FM	3051081

10  0786	FC726-ZA	Siemens Switzerland Ltd; Gubelstrasse 22 CH-6301 Zug Technical data: see doc. A6V10210355
		FC726 - Control and Indicating Equipment incl. SV24V150W - 150W/24VDC Power Supply Equipment for use in fire detection and fire alarm systems installed in buildings.
305/2011/EU (CPR): EN 54-2 / EN 54-4 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2014/35/EU (LVD): EN 60950-1 ; 2011/65/EU (RoHS): EN 50581		
The declared performance and conformity can be seen in the Declaration of Performance (DoP) and the EU Declaration of Conformity (DoC), which is obtainable via the Customer Support Center: Tel. +49 89 9221-8000 or http://siemens.com/bt/download		
DoP No.: 0786-CPR-20983; DoC No.: CED-FC726		
13  0786	SV24V150W	Siemens Switzerland Ltd, Gubelstrasse 22 CH-6301 Zug Sinteso technical data: see doc. 008837 Cerberus™ PRO technical data: see doc. A6V10210368
		SV24V150W - Power Supply Equipment 24VDC/150W for use in fire detection and fire alarm systems installed in buildings.
305/2011/EU (CPR): EN 54-4 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2014/35/EU (LVD): EN 60950-1 ; 2011/65/EU (RoHS): EN 50581		
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DoP No.: 0786-CPD-20775; DoC No.: CED-SV24V150W		

Details for ordering

	Type	Art. no.	Designation	Weight	
Extensions	FC726-ZA	S54400-C87-A1	Fire control panel (modular)	20.800 kg	
	Z3B171	BPZ:4843830001	Relay module AC 250 V / 10 A (1 relay)	0.042 kg	
	FTO2001-A1	A5Q00010126	Event printer	0.250 kg	
	-	A5Q00017619	Spare printer reels (10 reels)	0.090 kg	
	FTO2005-C1	A5Q00010113	Key switch (Kaba)	0.013 kg	
	FTO2006-B1	A5Q00010129	Key switch (nordic)	0.050 kg	
	FHA2007-A1	A5Q00010151	Mounting plate	0.800 kg	
	FCI2003-A1	A5Q00010136	Loop extension (C-NET)	0.064 kg	
	FCL2001-A1	A5Q00009875	Line card (FDnet/C-NET)	0.120 kg	
	FCL7201-Z3	S54400-A116-A1	SynoLOOP line card	0.120 kg	
	FCI2007-A1	S54400-A20-A1	I/O card (RT)	0.200 kg	
	FCI2008-A1	S54400-A6-A1	I/O card (configurable)	0.120 kg	
	FCI2009-A1	S54400-A21-A1	I/O card (horn/monitored)	0.200 kg	
	FCA2002-A1	A5Q00009923	RS485 module (isolated)	0.067 kg	
	FCA2001-A1	A5Q00005327	RS232 module (isolated)	0.068 kg	
	FN2001-A1	A5Q00012851	Network module (SAFEDLINK)	0.077 kg	
	FN2002-A1	S24236-B2502-A1	Repeater (SAFEDLINK)	0.154 kg	
	FCA2005-A1	A5Q00014866	Sounder module	0.140 kg	
	FCA2014-A1	A5Q00023027	Cable kit (communication)	0.224 kg	
	FCI2001-D1	A5Q00013100	Fire brigade periphery module	0.482 kg	
	FH7204-Z3	S54400-B89-A1	Housing (Large Extension)	11.800 kg	
	FH7205-Z3	S54400-B86-A1	Housing (Large)	15.400 kg	
	FCM7213-Y3	S54400-B149-A1	Operating add-on (2xLED indicator)	2.600 kg	
	FCM7214-Y3	S54400-B150-A1	Operating add-on (4xLED indicator)	2.800 kg	
	FHA2016-A1	A5Q00020179	19" mounting kit	3.000 kg	
	FN2006-A1	S54400-A109-A1	Fiber network module (SM)	0.770 kg	
	FN2007-A1	S54400-A110-A2	Fiber network module (MM)	0.770 kg	
	Auxiliary power supply	FP2004-A1	A5Q00020825	Power supply kit (150 W, A) for installation into empty housing	1.366 kg
		FP2005-A1	A5Q00018779	Power supply kit (150 W, B) for parallel connection	1.100 kg
	Networks (backbone)	FN2012-A1	S54400-B152-A	Ethernet switch (modular)	0.560 kg
		FCA2031	S54400-A153-A1	Connection module (MoNet)	0.020 kg + 0.050 kg for cable
		VN2002-A1	S54400-A43-A1	Ethernet module (MM)	0.030 kg
VN2003-A1		S54400-A44-A1	Ethernet module (SM)	0.030 kg	
FHA2029-A1		S54400-B79-A1	Installation kit (switch, comf.)	1.240 kg	
Batteries	FA2005-A1	A5Q00019677	Battery (12 V, 17 Ah, VDS)	5.640 kg	
	FA2006-A1	A5Q00019356	Battery (12 V, 26 Ah, VDS)	7.572 kg	
	FA2007-A1	A5Q00022897	Battery (12 V, 45 Ah, VDS)	15.320 kg	
	FA2008-A1	A5Q00019357	Battery (12 V, 65 Ah, VDS)	22.000 kg	
License keys	FCA2033-A1	S54400-P154-A1	License key (S1)	0.010 kg	
	FCA2034-A1	S54400-P155-A1	License key (S2)	0.010 kg	
	FCA2035-A1	S54400-P156-A1	License key (S3)	0.010 kg	
External printer	DL3750+	A5Q00023962	Matrix printer (external)	7.300 kg	
Spare part	-	A5Q00023963	Color ribbon for matrix printer DL3750+	0.078 kg	

Siemens Switzerland Ltd
Building Technologies Division
International Headquarters
Gubelstrasse 22
CH-6301 Zug
Tel. +41 41 724 24 24
www.siemens.com/buildingtechnologies

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Technical specifications and availability subject to change without notice.