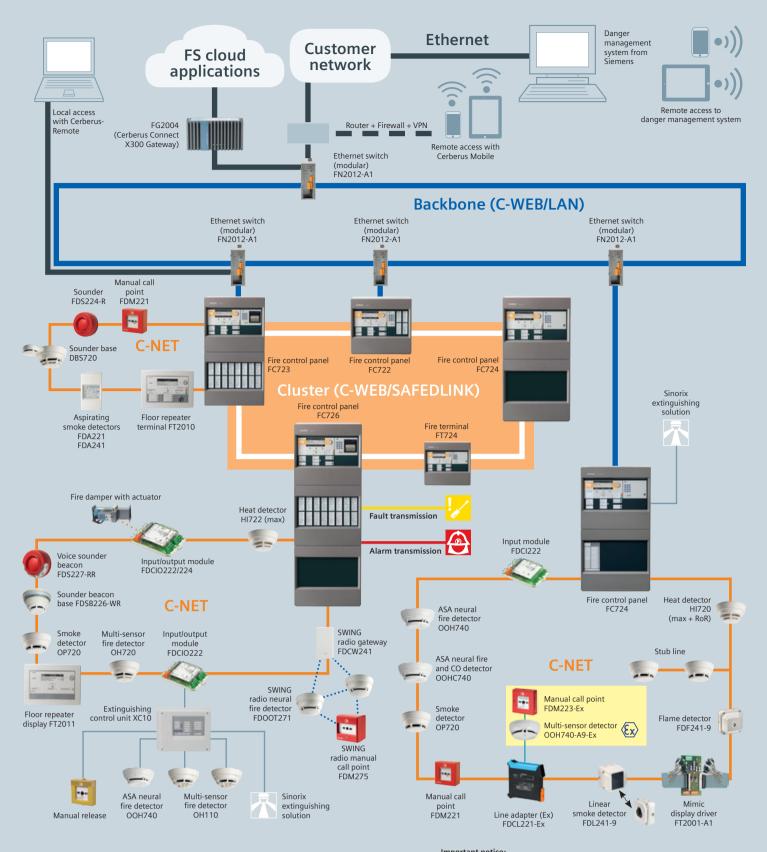
Cerberus PRO – enjoy protecting

Powerful control panels, clever fire detectors and smart peripheral devices. This is what our comprehensive Cerberus[™] PRO family offers. The overview below demonstrates the most important system components.





Cerberus PRO – panels, network and accessories

Planning Tool

SIEMENS

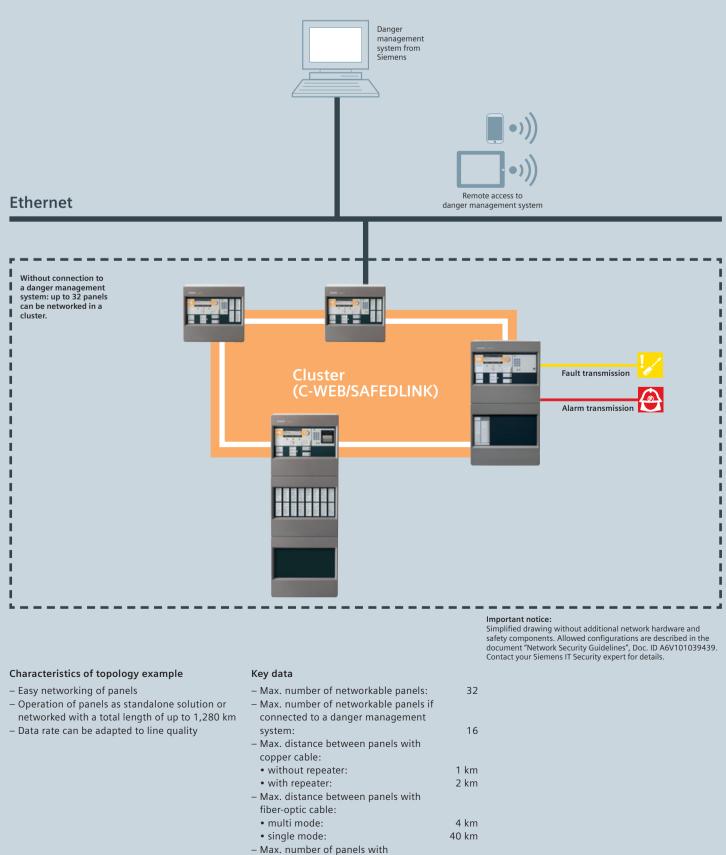
Arr North Control of C

Ingenuity for life

siemens.com/cerberus

Topology 1

Up to 16 panels can be networked in a cluster (C-WEB/SAFEDLINK) – if connected to a danger management system. Without a danger management system, even up to 32 panels can be networked.



system-wide view:

5

Always safe. Always secure. Never too cold. Never too warm.

that's Ingenuity for life. When building technology creates perfect places –

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are binding only when they are expressly agreed upon in the concluded contract. course of further development of the products. The requested performance features specifically reflect those described, or which may undergo modification in the contains general descriptions and/or performance features which may not always Subject to changes and errors. The information given in this document only

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#CreatingPerfectPlaces

We create perfect places for their users' needs –

With our knowledge and technology, our products,

our solutions and our services, we turn places into

səəslq-təətrəq\moə.snəməis

for every stage of life.

perfect places.

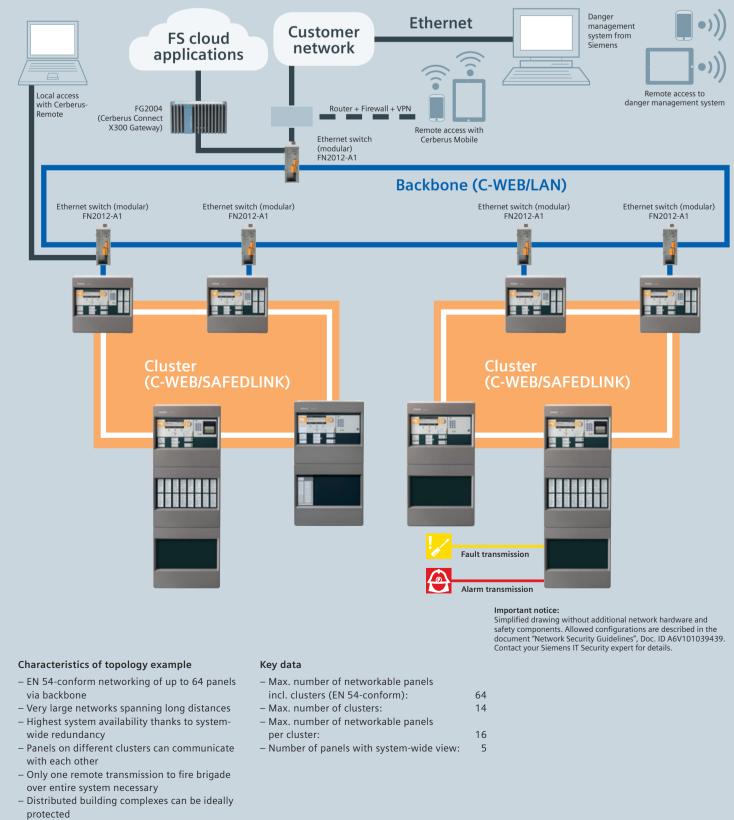
Panel overview compact

	FC721-ZZ/-YZ	FC722-ZZ/-YZ	FC722-ZA/-ZE	FC724-ZA/-ZE	FT724-ZZ
				iiii İtica	
	Housing Eco	Housing Standard	Housing Comfort	Housing Comfort	Housing Eco
Mains voltage	– AC 97127 V – AC 196253 V	– AC 97127 V – AC 196253 V	– AC 97127 V – AC 196253 V	– AC 97127 V – AC 196253 V	_
Power supply	70 W	70 W	150 W	150 W	option PSU 70 W
Operating voltage	DC 21 28.6 V	DC 2128.6 V	DC 2128.4 V	DC 2128.4 V	DC 2128.4 V
Operating current	max. 2.5 A	max. 2.5 A	max. 5 A	max. 5 A	125 mA
Battery capacity	2x 12 V, 7 Ah	2x 12 V, 712 Ah	2x 12 V, 26 Ah	2x 12 V, 26 Ah	option 2x 12 V, 7 Ah
Emergency power supply	up to 72 h ¹⁾	up to 72 h ¹⁾	up to 72 h	up to 72 h	up to 72 h
Connectable detector series	Cerberus PRO FD720 (C-NET)	Cerberus PRO FD720 (C-NET)	Cerberus PRO FD720 (C-NET)	Cerberus PRO FD720 (C-NET)	-
Number of lines – C-NET integrated (with loop extension) – Stub lines	1 2	2 (4) 4 (8)	2 (4) 4 (8)	4 (8) 8 (16)	-
Number of addresses	max.126	max. 252	max. 252	max. 504	_
Networkable	-	\checkmark	\checkmark	✓	\checkmark
Integrated inputs/outputs – Relay outputs • RT alarm • RT fault – Monitored outputs • Alarm • Fault • Horn – Freely programmable inputs/outputs	1 1 1 1 1 4	1 1 1 1 1 8	1 1 1 1 1 8	1 1 1 2 12	- - - - -
Operating unit	integrated	integrated	integrated	integrated	integrated
Display groups integrated, each with one red, green and yellow LED	-/up to 24	-/up to 24	-/up to 48	-/up to 48	-
Display groups optional, each with one red, green and yellow LED	up to 96 ³⁾ /-	up to 96 ³⁾ /-	up to 96/up to 96	up to 96/up to 96	up to 96 ³⁾
Plug-in position for RS232, RS485 serial ports	1	2	2	2	2
Ethernet connection RJ45	1	1	1	1	1
Dimensions (WxHxD)	430x398x80 mm	430x398x160 mm	430x796x160 mm	430x796x160 mm	430x398x80 mm
Approvals – CPR – VdS – LPCB ¹⁾ with additional housing a	0786-CPR-20767 – 126bn	0786-CPR-20721 G209076 126bn	0786-CPR-20721 G209076 126bn	0786-CPR-20722 G209077 126bn	– G209078 126bn

Simplified drawing without additional network hardware and safety components. Allowed configurations are described in the document "Network Security Guidelines' Doc. ID A6V101039439. Contact your Siemens IT Security expert for details.

Topology 2

Up to 64 panels in one EN 54-conform system with different combinations of clusters and backbone – and with connection to a danger management system via a customer network.



– Backbone is realized with fiber-optic cable

Panel overview modular

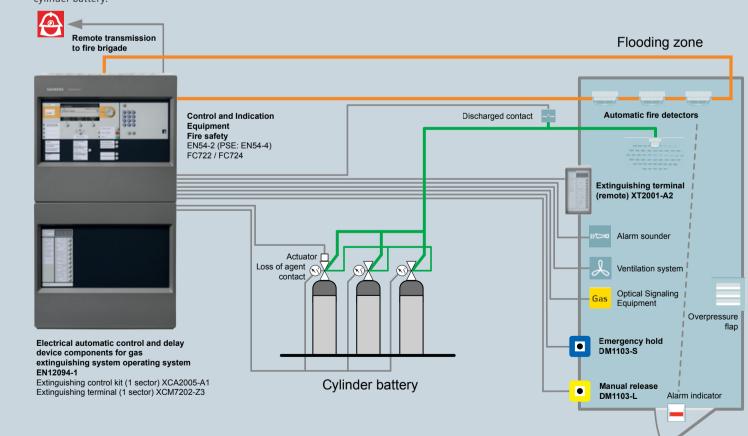
Single-sector extinguishing panel

	FC723-ZA	FC726-ZA		Combined fire and ext. control panel	
	Housing Comfort	Housing Large	Consisting of: – Fire control panel	FC722-ZA or FC724-ZA XCA2005-A1 XCM7202-Z3	
Mains voltage	– AC 98127 V – AC 196253 V	– AC 98127 V – AC 196253 V	 Extinguishing control kit Extinguishing terminal Optional: 		
Power supply	150 W	150 W	– Extinguishing terminal	XT2001-A1	
Operating voltage	DC 2128.4 V	DC 2128.4 V	Techn. data FC72x	See FC722-ZA, FC724-ZA	
Operating current	max. 5 A	max. 5 A	Technical data extinguishin	g card	
Battery capacity	2x 12 V, 26 Ah	2x 12 V, 45 Ah	Monitored outputs – Output voltage	valve, standard, and inverse outputs, max. 10	
Emergency power supply	up to 72 h	up to 72 h	– Output current	max. DC 25.8 V max. 2 A	
Connectable detector series	Cerberus PRO FD720 (C-NET)	Cerberus PRO FD720 (C-NET)	 Line resistance Monitored for 	max. 80 Ω , both conductors ground fault, leakage current, open line	
Number of lines – C-NET integrated (with loop extension) – Stub lines – C-NET ext. (4 per line card)	2 (4) 4 (8) max. 8	4 (8) 8 (16) max, 20	Monitored collective inputs – Number of devices per input	max. 4 (e.g. Manual release and Emergency hold call points) max. 8, collective	
Number of addresses	max. 756	max. 1,512	Monitored inputs	max. 6 (e.g. Loss of agent, Discharged contact If collective inputs not used: 10	
Networkable	√ v	√	 Number of devices per input 	max. 64 (parallel, normally opened)	
Integrated inputs/outputs – Relay outputs	1 1 1 1 1 8	1 1 1 2 12 (72) ¹⁾	Non-monitored driver outputs – Current limiting	max. 6 Circuit Open drain, Short-circuit-proof 40 mA	
• RT alarm • RT fault			Technical data extinguishing terminal		
 Monitored outputs Alarm Fault Horn Freely programmable inputs/outputs 			Number of participants per sector	primary 1, secondary max. 5	
			Cable length	primary max. 10 m, secondary max. 1200 m	
			Supply input	DC 2130 V	
Operating unit	integrated	integrated	Operating current per terminal	25 mA typical @DC 24 V	
Display groups integrated, each with one red, green	-	-	Indication LEDs	34 LEDs	
and yellow LED			Indication Display	4 digits 5x7 dot matrix	
Display groups optional,	red, green up to 96 up to 96		Data sheet	A6V11480005	
each with one red, green and yellow LED		Approvals			
Plug-in position for RS232, RS485 serial ports	2	2	– CPR – VdS	pending pending	
Ethernet connection RJ45	1	1			
Dimensions (WxHxD)	430x796x160 mm	430x796x260 mm			
Approvals – CPD – VdS – LPCB	0786-CPD-21328 G214021 126bn	0786-CPD-20983 G210084 126bn			
¹⁾ with additional input/out	put cards FCI2008-A1				

Integrated Extinguishing control planning

Single-sector extinguishing

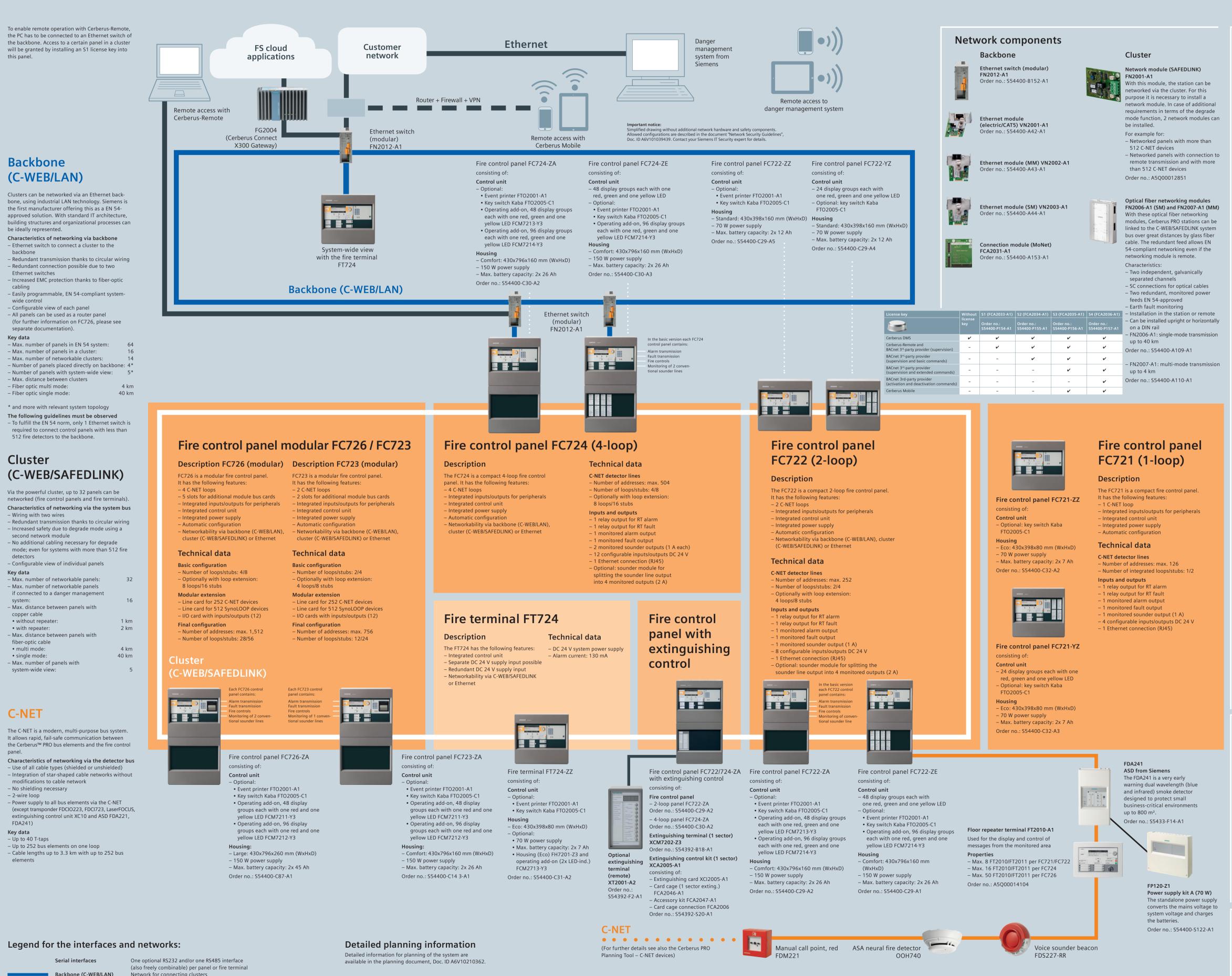
Combined fire detection and extinguishing control panel FC20 operating as a single-sector extinguishing system. FC20 works with most types of extinguishing systems for room or object protection. A single-sector installation consists of a single flooding zone and cylinder bank. In case of a fire, the extinguishing agent flows through the manifolds to the flooding zone and is distributed there by the nozzles. The system can be optionally configured with a reserve cylinder battery.



Caption: C-NET _ Electrical line Manifold (distribution pipe)

Control pipe

Cerberus PRO Planning Tool



Serial int
 Backbone
Cluster (O
C-NET
C-NET-Ex

Network for connecting clusters Cluster (C-WEB/SAFEDLINK) Network for connecting panels Network for connecting Cerberus PRO addressable devices Network for connecting Cerberus PRO addressable Ex devices

Panels, network and accessories



Loop extension (C-NET) FCI2003-A1

Housings



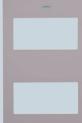


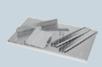














Order no.: A5Q00020179



Line card (C-NET) FCL2001-A1 For 252 C-NET devices on 4 loops or 8 stubs. Order no.: A5Q00009875

Line card (SynoLOOP) FCL7201-Z3 For 128 devices per loop or 4 stubs. Order no.: S54400-H116-A1

I/O card (RT) FCI2007-A1 For alarm and fault transmission. Order no.: S54400-A20-A1

I/O card (programmable) FCI2008-A1 12 programmable inputs/outputs with defined behavior in degrade mode. Order no.: S54400-A6-A1

I/O card (horn/monitored) FCI2009-A1 8 monitored horn lines or monitored outputs. Order no.: S54400-A21-A1

Order no.: S54400-S122-A1

terminals such as FT724-ZZ.

Order no.: S54400-B121-A1

Power supply (70 W) FP2015-A1

For the independent power supply of fire

Power supply kit A (70 W) FP120-Z1

The standalone power supply converts the mains

voltage to system voltage and charges the batteries.

Power supply



Housing (Eco) FH7201-Z3 – Max. battery capacity: 2x 7 Ah

- 430x398x80 mm (WxHxD)
- Power supply kit (70 W) FP2015-A1 • Event printer FTO2001-A1
- Operating add-on (2x LED-ind.) FCM7213-Y3 • Operating add-on (4x LED-ind.) FCM7214-Y3 Order no.: S54400-B72-A1

Housing (Standard) FH7202-Z3 – Max. battery capacity: 2x 26 Ah

- 430x398x160 mm (WxHxD) Optional:
- Power supply kit (70 W) FP2015-A1 or • Power supply kit (150 W) FP2004-A1 or additional power supply (150 W) FP2005-A1
- Event printer FTO2001-A1 • Operating add-on (2x LED-ind.) FCM7213-Y3
- Operating add-on (4x LED-ind.) FCM7214-Y3 Order no.: S54400-B70-A1

Housing (Comfort) FH7203-Z3 – Max. battery capacity: 2x 26 Ah

- 430x796x160 mm (WxHxD) - Optional:

- Power supply kit (70 W) FP2015-A1 or • Power supply kit (150 W) FP2004-A1 or
- additional power supply (150 W) FP2005-A1 • Event printer FTO2001-A1
- Operating add-on (2x LED-ind.) FCM7213-Y3 • Operating add-on (4x LED-ind.) FCM7214-Y3 Order no.: S54400-B71-A1

Housing (Large) FH7205-Z3 – Max. battery capacity: 2x 100 Ah - 430x796x260 mm (WxHxD)

- Optional • Power supply kit (70 W) FP2015-A1
- Power supply kit (150 W) FP2004-A1 • Power supply kit (150 W) FP2005-A1
- Event printer FTO2001-A1
- Operating add-on (2x LED-ind.) FCM7213-Y3 • Operating add-on (4x LED-ind.) FCM7214-Y3

Order no.: S54400-B86-A1

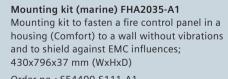
Housing (Large Extension) FH7204-Z3 – Max. battery capacity: 2x 100 Ah – 430x398x260 (WxHxD)

- Optional: Power supply kit (70 W) FP2015-A1
- Power supply kit (150 W) FP2004-A1 • Power supply kit (150 W) FP2005-A1
- Event printer FTO2001-A1
- Operating add-on (2x LED-ind.) FCM7213-Y3 • Operating add-on (4x LED-ind.) FCM7214-Y3 Order no.: S54400-B89-A1

Flush mounting bezel one HU FHA2017-A1 Optional bezel for flush mounting installation for all fire control panels and FT724 fire terminal; 530x500 mm (WxH)

Order no.: A5000024719

Flush mounting bezel two HU FHA2015-A1 Optional bezel for flush mounting installation for all fire control panels and FT724 fire terminal 530x886 mm (WxH) Order no.: A5Q00024621



Order no.: \$54400-\$111-A1 19" mounting kit FHA2016-A1

Enables all fire control panels and fire terminals to be mounted in a 19" frame; 430x100x324 mm (WxHxD)

Module bus cards for FC723 / FC726



Extinguishing key switch Kaba XTO2002-C1 Order no.: S54392-B12-A1



Extinguishing key switch (Nordic) XTO2003-B1 Order no.: S54392-B11-A1



Power supply kit (150 W) FP2004-A1 Power supply for installation in empty housings. Optional: additional power supply with FP2005-A1 is possible. Order no.: A5Q00020825

Power supply kit (150 W) FP2005-A1 Power supply can be connected in the housing directly after FP2004-A1. Order no.: A5Q00018779



Expansion options

total number of addresses on the C-NET line card (e.g. 2 loops with 126 addresses each or 4 loops with 63 addresses each). Order no.: A5Q00010136 RS232 module (isolated) FCA2001-A1

The loop extension makes it possible to double the

number of loops (e.g. from 2 loops to 4 loops or

from 4 loops to 8 loops) while retaining a constant

This module is needed, for example, for operating an event printer. It is plugged into the PMI mainboard. The RS232 module is not contained in the set for the event printer. Order no.: A5Q00005327

RS485 module (isolated) FCA2002-A1 This is needed, for example, for operating the

following modules: - Fire department display panel with integrated fire department operating panel (FAT and FBF)

[DE and CZ] – EVAC module [NL] The RS485 module (isolated) is plugged into the PMI mainboard.

Order no.: A5000009923 Sounder module FCA2005-A1

The sounder module has connections for 4 conventional sounder lines (primary lines; 4x up to 1 A, max. 2 A total). The sounder module is screwed to the assembly plate FHA2007-A1. Order no.: A5Q00014866

Output module (230 V) FCA1209-Z1 The module is directly connected with the monitored output line and provides one potential-free contact. It is an output module for the control of ventilation, air conditioning, elevators, etc. Order no.: S54400-B124-A1

Operating add-ons



1. 1.

Operating add-on (2x LED-ind.) FCM7213-Y3 This contains 48 display groups each with one red, green and one yellow LED. Any events can be allocated to the LEDs. Optional: event printer FTO2001-A1 Order no.: S54400-B149-A1

Operating add-on (4x LED-ind.) FCM7214-Y3

This contains 96 display groups each with one

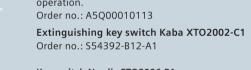
red, green and one yellow LED. Any events can be

Kaba lock cylinder with installation accessories and

keys (Kaba 8 #100). Usable optionally for enabling







allocated to the LEDs

Order no.: S54400-B150 -A1

Key switch Kaba FTO2005-C1

Key switch Nordic FTO2006-B1

Key set with mounting accessories. Optimally applicable for operation clearance. Order no.: A5Q00010129

Extinguishing key switch (Nordic) XTO2003-B1 Order no.: S54392-B11-A1

Event printer FTO2001-A1

The event printer FTO2001-A1 is installed directly in the control panel or in the terminal. It is a thermal printer which logs all events. An RS232 module (isolated) FCA2001-A1 is required for operating the event printer. This is not contained in the printer set and must be ordered separately. Order no.: A5Q00010126

Event printer DL3750+

Monitored external event printer for serial connection or via Ethernet. Optional: RS232 module (isolated) FCA2001-A1. Order no.: A5000023962

Extinguishing equipment



Extinguishing control kit (1 sector) XCA2005-A1 consisting of:

– Extinguishing card XCI2005-A1 - Card cage (1 sector exting.) FCA2046-A1 – Accessory kit FCA2047-A1 – Card cage connection FCA2006 Order no.: \$54392-\$20-A1

Extinguishing terminal (1 sector) XCM7202-Z3 consisting of: 1 extinguishing terminal

4 digit display to show countdown pre-warning

Configurable leds and push buttons

Order no.: S54392-B18-A1

