

SIEMENS



www.siemens.com/cerberus

Cerberus PRO – experience a successful partner program

Benefit from a strong brand.

Answers for infrastructure.

Receiving support for successful business

Innovation power and technology leadership. Consistent, high product quality and environmental compatibility. Siemens is known for these qualities worldwide. We want to share our brand value, our products, and our know-how with you – by being a strong partner by your side. With Cerberus® PRO, we offer you advanced fire protection technology for small to very large applications. The portfolio comprises powerful control panels, reliable fire detectors, and a wide range of peripheral devices. In addition, we support you with time-saving tools to engineer and control your systems as well as a special partner program, so you can offer your customers advanced products and efficient service – both today and in the future.





■ **Benefiting from the Siemens brand**

Siemens products are backed by decades of know-how and experience. They are known for their high quality and reliability. With Cerberus PRO and our Siemens Partner Program, we envision a long-term relationship. You can make our brand value work for you. As a certified Siemens Solution Partner, we provide you with a professional range of marketing material including brochures, posters, and sales presentations for successful customer communication.

■ **Receiving valuable support**

We offer you comprehensive training to keep you up-to-date and grant you access to our hotline, where highly qualified and experienced engineers and product managers will answer your questions.

Our Internet page www.siemens.com/cerberus even provides a protected partner site. Here, you will find the information you need at the click of a button. Download the latest technical documents – data sheets, operating manuals, planning handbooks, and much more. Additionally, we provide a SpecWriter tool which helps you and consulting engineers generate a detailed specification quickly and easily. You can thus offer your customers both advanced fire safety products and smart services.

■ **Managing systems the smart way**

As a Siemens partner, you can profit from cost- and time-efficient site management tools. Thanks to remote access, you can access your systems anytime, anywhere. With remote support functions from diagnosing and monitoring to operation, you can reduce the number of your on-site visits while enhancing service for your customers. You can even assist your customers remotely to operate their system and provide real-time information on the system status. Test equipment and numerous other features also support you in your work.

Highlights

- Benefit from Siemens brand value
- Access to excellent Siemens products and application support
- Easy remote site management, operation, and support
- Comprehensive Cerberus PRO training and technical documents
- Professional marketing material



Benefiting from the many advantages of smart technology

Thanks to the wide Cerberus PRO portfolio, you can offer your customers comprehensive fire protection. All system components have special safety features installed to increase safety even further. And clever testing tools boost your efficiency.

■ **Providing intelligent fire protection**
Cerberus PRO means comprehensive fire protection. You can offer your customers powerful fire control panels, reliable fire detectors, and a great number of peripheral devices and accessories. All system components have special safety features that increase safety for your customers.

The panels provide connection possibilities from 1 to 28 loops or 1 to 56 stubs, catering for nearly all project sizes. The wide range of panel accessories allows you to meet everyone's requirements. The detector portfolio comprises multi-sensor fire detectors, flame detectors, linear smoke detectors, Ex detectors, and many more. Additionally, the independent detection of toxic carbon monoxide is possible. Loop-powered sounders, sounder beacons, and sounder bases can also be placed on the C-NET. This increases planning flexibility and reduces cabling costs.

On the same loop, you can also connect floor repeater terminals without additional power supply – a cost-efficient solution for increased system visibility: Floor repeater terminals offer the same system view as panels, but can be programmed to show only essential information of selected areas.

■ **Meeting requirements with powerful panels and comprehensive detection**
With our Cerberus PRO family, you can build fire protection systems for small to very large applications. Control panels can either stand alone or be networked. Use the backbone (C-WEB/LAN), for example, to build large EN 54-approved networks based on industrial LAN technology. It enables you to network up to 64 panels. Moreover, the network design can mirror building or process structures. With a cluster (C-WEB/SAFEDLINK), you can build an EN 54-approved network with up to 32 panels and only one centralized access point. If a network has only up to 16 panels, this access point can also be used to integrate the network into a danger management system from Siemens – via the customer network.

Cerberus PRO provides smoke, heat, neural, and multi-sensor fire detectors. Detectors with our unique **ASAtechnology™** are the ideal choice for highly demanding applications – from data centers to industrial production facilities. ASA stands for “advanced signal analysis” and means that the signals recorded by the sensor are converted into mathematical components using algorithms. **ASAtechnology** then compares these components in real time with the preprogrammed parameter set and dynamically adjusts it if necessary. As a result, the detectors react more sensitively in case of a fire and more robustly in case of deceptive phenomena.

A great number of peripheral devices for special applications rounds off the comprehensive Cerberus PRO portfolio. All detectors and peripherals communicate via and are powered by the C-NET – saving planning time, cabling, and costs. Moreover, existing cables can be used for modernization because the C-NET offers T-Tap functionalities and most cable types can be reused.





Siemens SIMATIC Manager interface showing a project tree on the left and a data table on the right.

Station	Device	Manufacturer	Order No.	Serial No.
1	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
2	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
3	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
4	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
5	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
6	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
7	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
8	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
9	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
10	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
11	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
12	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
13	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
14	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
15	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
16	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
17	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
18	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
19	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	
20	PS 307 5A	Siemens	6ES7 307-1EA00-0AA0	

■ Creating very large and approved fire safety networks

Cerberus PRO offers a backbone – our EN 54-approved, industrial LAN technology. The big plus: You benefit from increased planning flexibility. Network up to 64 panels, optimally adapt Cerberus PRO to any building or process structure, and realize campus-wide solutions. All you need to connect a cluster with up to 16 panels to a fiber-optic backbone are two independent, EN 54-approved Ethernet switches. This guarantees highest possible system availability. In addition, you can have full system visibility on any specified control panel whatever the size of the network.

The backbone guarantees EN 54-conform site-wide control activity and a centralized remote transmission to the emergency services. Since the backbone and its connected clusters can be seen as one network, one central access point is sufficient to connect the remote transmission to the fire brigade, pager, and a danger management system. To integrate the large Cerberus PRO network into a danger management system from Siemens, you need only one Ethernet switch. To integrate the danger management system via a customer network, you need additional security equipment, for example a firewall.

■ Increasing safety with smart product features

Cerberus PRO protects people and assets right from the start thanks to auto-configuration even during the construction phase: Control panels automatically import data from the devices and assign them to zones. Your customers can feel safe from the very first moment on.

All panels have an integrated degrade mode. This means that even in case of a processor failure, the detector communicates the alarm to the panel and sets off all connected sounders including loop sounders. Additionally, it activates remote transmission to the fire brigade and can set the I/Os to the predefined status. The degrade mode is also provided for the whole network via a second networking module only in the panel with the fire brigade transmission. This functionality saves installation costs thanks to a 2-wire ring network. Communication is guaranteed even in case of a network or cabling failure. Should the main panel fail, alarms are still communicated and the sounders can be activated.

No second CPU is required to fulfill EN 54, saving hardware costs and keeping programming simple. Control panels and fire terminals also offer standby functionality. They take over display and operation functionality in case the connection to another control panel, fire terminal or management station fails.

Thanks to the integrated short circuit isolator in every fire detector, sounder, I/O, other peripheral devices, and even in the floor repeater terminal, open or short circuits can be easily located. As you can see, with these safety features you can rely on Cerberus PRO as much as your customers rely on you.

■ Testing and fault finding made easy

We offer you clever tools for testing before hand-over. With the line tester, your installer can confirm cabling is properly installed. In case it is not, the line tester makes fault finding very easy and efficient. You can use the detector tester to check the behavior of the entire fire protection system. From simple customer texts triggered by an alarm to more complex cause and effects.

With the Cerberus-Engineering-Tool, you can support on-site commissioning and fault finding.

■ Easy system operation

You can easily operate Cerberus PRO locally via Ethernet. In addition, you can define access levels for your customers, enabling them to use Cerberus-Remote. You can remotely evaluate the system status and initiate appropriate actions if necessary. All this can be done with a standard PC, so you can offer your customers valuable and cost-efficient support. This ensures a stable, long-term relationship with your customer.

■ Integrating Cerberus PRO into the danger management system from Siemens

Cerberus PRO can easily and quickly be integrated into the danger management station MM8000 from Siemens. This integration offers comprehensive security, as the fire safety system will be networked with other security-related subsystems, such as video surveillance, access control or intrusion detection. Through such an integrated solution, interoperability is user-friendly, adaptable, and cost-efficient.

Highlights

- Easy to plan, install, and commission – supported by smart tools
- Powerful panels with integrated safety features
- A great number of special detectors, peripherals, and accessories
- Backbone enables campus-wide solutions – up to 14 clusters and 64 panels can be networked
- Quick integration into MM8000, the danger management station from Siemens



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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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Answers for infrastructure.

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming, and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly

growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

“We are the preferred partner for energy-efficient, safe, and secure buildings and infrastructure.”