COMELIT PRC
FEEL · SECURE





FEEL SECURE

FIRE SAFETY & PA/VA SYSTEMS

LogiFire.
One system.
Fully connected.

From fire detection and voice alarm systems to remote monitoring and system integration, LogiFire brings every aspect of fire safety together in one complete, scalable ecosystem.

Wired and wireless technologies, advanced control panels and intelligent software work seamlessly together to simplify installation, streamline system management and deliver reliable protection across every environment.

SAFETY IS A TEAM EFFORT. WE'VE BEEN ON YOUR TEAM SINCE 1956.

Designers and installers know that trust has to be earned and maintained, every day. At Comelit Group, we build that trust through our products and the support we provide.

Our story began in Italy in 1956, with Comelit and a clear ambition: to make security accessible to everyone. Since then, one question has guided us: **how can we help people feel safe and protect the places that matter to them?**



COMELIT GROUP

1956 COMELIT

1976 RITTO by COMELIT

1978 PAC by COMELIT

1991 TELETEK

2003 BLUEPRINT The sound of safety

Our range now extends beyond door entry to access control, CCTV, intruder alarms, fire safety systems, public address, and home and building automation. These systems share a common principle: they are designed to work together. With Comelit Group, you have a single point of contact to help you bring them together.

Alongside **Comelit**, our founding brand, four specialist brands bring their own experience and expertise:
- **Ritto by Comelit**: German expertise in intercom systems.
- **PAC by Comelit**: British expertise in access control.
- **Teletek**: A Bulgarian specialist in fire detection and intruder alarms.
- **Blueprint**: An Italian specialist in public address systems.

Five brands. One shared commitment to security.
Based in Rovetta, Italy, we operate across five continents, with one head office, nine branches, six research and development centres across eight sites, and more than 1,050 employees. Our products serve customers in over 90 countries.
Behind those figures are people who depend on the systems you specify and install. We help you deliver work they can trust, with reliable products and support when you need it.
Feel Secure. Confidence in your systems. Support you can count on. Every day.





5
Group brands

10
Offices worldwide

6
R&D Centres

6
Product ranges

1050
Employees worldwide

96
Countries served

Your safety is our priority. It guides every product we develop and every system we deliver.

LOGIFIRE: EVOLUTION IN FIRE DETECTION.



LOGIFIRE 8 41CPE118 CONTROL PANEL

Addressable fire control panel, expandable from 1 to 8 loops, capable of managing up to 2,000 addressable devices and 200 zones. Equipped with a dual microprocessor, a 7" touchscreen display, and 200 zone LEDs for complete and immediate system monitoring. Integrated Ethernet connectivity allows for the networking of multiple control panels and remote access via the Comelit MySites cloud platform and the MyComelit app. It natively integrates with LogiVox Comelit PA/VA systems, supports the Modbus TCP/IP protocol, and the Logifire Redundancy Network. LogiFire8 supports expansion into a hybrid or fully wireless system through our wireless translators. Certified according: EN 54-2, EN 54-4, EN 54-13, BOSEC, SS645 (Singapore Standard).

LOGIFIRE 2 41CPE212 CONTROL PANEL

Addressable fire control panel, expandable from 1 to 2 loops, with capacity for up to 500 addressable devices and 48 logical zones. The LCD display and zone LEDs ensure simple and intuitive monitoring of the system's status. Integrated Ethernet connectivity allows multiple control panels to be networked and enables remote access via the Comelit MySites cloud platform and the MyComelit app. It natively supports the Modbus TCP/IP protocol, and the Logifire Redundancy Network. Thanks to a special board can be integrated with LogiVox Comelit PA/VA systems. LogiFire2 supports expansion into a hybrid or fully wireless system through our wireless translators. Certified according: EN 54-2, EN 54-4, EN 54-13, BOSEC (pending).

ADDRESSABLE CONTROL PANELS

		
	41CPE118 **41CPE118R** (Red cabinet)	**41CPE212** **41CPE212R** (Red cabinet)
	1/8 LOOPS ADDRESSABLE FIRE PANEL	**1/2 LOOPS ADDRESSABLE FIRE PANEL**
MAIN FEATURES		
Number of loops - current for each loop	1 as standard; can be expanded to 4 using 3x 41ECL220, or up to 8 using the 41CPE104 box—max. 650 mA per loop	1 standard; can be expanded to 2 with loop card 41ECL022 - max. 550 mA per loop
Devices per loop	250	250
Device Addressing	Auto-acquisition by the panel, individual addressing with optional programmer 41SPG000	Auto-acquisition by the panel, individual addressing with optional programmer 41SPG000
Detection Zones	200 (Programmable as normal, double knock, coincidence)	48 (Programmable as normal, double knock, coincidence)
Programming Logic	1,000 logical inputs + 1,000 logical outputs	Individual Device Programming
Networking	Up to 64 networked panels via the optional 41ECB000 redundant board (RS485) or the built-in Ethernet port	Up to 64 networked panels via the optional 41ECB000 redundant board (RS485) or the built-in Ethernet port
Cloud Connectivity	Comelit MySites Monitoring	Comelit MySites Monitoring
PA/VA Panel Interfacing Module	Yes, included—supports up to 6 Logivox panels	Yes, optional Art. 41EVC101 - supports up to 6 Logivox panels
Display	7-inch resistive touchscreen	Alphanumeric LCD, 5 lines of 40 characters
Local Outputs	1x monitored for sounders (24 VDC/1 A), 1x auxiliary power supply (24 VDC/0.3 A), 4 dry contact relays (NO/NC) (30 V/10 A each)	2x monitored for sounders (24 VDC/0.5 A each), 1x auxiliary power supply (24 VDC/0.5 A), 4 dry contact relays (NO/NC) (24 V/10 A each)
Certifications	EN54-2, EN54-4, EN54-13, BOSEC, SS645	EN54-2, EN54-4, EN54-13, BOSEC (pending)

DUAL PROCESSOR

Dual processor for maximum reliability and uptime.

64 NETWORK

Redundant connection between control centers up to 1 km.

RS485 PA/VA

Direct integration with LogiVox PA/VA systems.

EN 54-13

Certified compatibility among all devices in the system.

LOGIFIRE: INNOVATIVE, SIMPLE AND FUNCTIONAL FIRE ALARM SYSTEMS.

LogiFire represents a major technological and aesthetic evolution in Comelit's fire detection range. Designed to meet a wide range of requirements, LogiFire control panels are modular and expandable up to eight loops. Systems can also be networked to connect up to 64 control panels.

Cloud connectivity enables continuous remote monitoring of every system, providing real-time visibility of its operational status and identifying potential issues so that proactive action can be taken. Combining elegant design with practical functionality, LogiFire integrates seamlessly into any environment. Its distinctive design has also received international recognition through several prestigious awards.

DESIGN AWARD 2021 · GERMAN DESIGN AWARD WINNER 2021 · DESIGN PLUS powered by: light+building · reddot winner 2021 · GOOD DESIGN AWARD 2021

WIRED AND WIRELESS FIRE DETECTION. ONE COMPLETE SAFETY SOLUTION.



Detectors & manual call points

Comelit offers a comprehensive range of manual call points and smoke, heat and multi-criteria detectors, available in both wired and wireless versions to suit a variety of systems and environments. Reliable and discreet, the range delivers fast, accurate detection while maintaining high performance and compliance with current standards. Selected devices are also available in a black finish, allowing them to blend seamlessly into design-led environments.

Available in black:

						
41RFU100B	**41RCS100B**	**41RML100B**	**41SAB101B**	**41RBX020B**	**41RBX020HB**	**41SAC000B**
Addressable smoke detector, black	**Addressable heat detector, black**	**Addressable multi-criteria detector, black**	**Addressable sounder base, black**	**Base for addressable detectors, black**	**High profile base for addressable detectors, black**	**Cover for 41SAB101B sounder base, black**

The LogiFire range provides a comprehensive and flexible fire detection solution that can be easily adapted to different environments. Addressable wired devices are ideal for new systems and structured installations, while wireless technology enables systems to be extended or integrated where cabling would be complex, disruptive or impractical.
Detectors, manual call points, sounders and modules can operate within the same system architecture, enabling coordinated and reliable system management. The result is a versatile range that simplifies installation, improves response times and delivers accurate, dependable detection tailored to the building's fire safety requirements.

LogiFire brings wired and wireless technologies together in one integrated system - adapting to each building, simplifying installation and delivering reliable protection in every environment.



Sounders

Addressable audible and visual alarm devices designed to provide clear, timely warnings. The range includes wall-mounted sounders, visual alarm devices (VADs) and base sounders that integrate seamlessly with detectors, helping to optimise space and reduce installation time. Designed in accordance with the relevant EN 54 standards, these devices provide clear warning of a fire event and support the safe evacuation of occupants. They can also operate alongside Comelit's PA/VA systems to deliver coordinated emergency communication.



Modules

Input and output modules enable devices, controls and indicators to be integrated into the fire detection system, providing the flexibility to meet the specific requirements of each building.
All models are also available in an XL version with a larger enclosure, providing additional space for cable routing and simplifying installation and wiring.

LOGIFIRE WIRELESS.
FIRE DETECTION MADE EASY.

LONG RANGE COVERAGE

Up to 1500m radio coverage (3000m with the 45RPT100 signal repeater).

LONG LIFE BATTERY

Up to 10 years of battery life.

16 CH

RADIO CHANNELS

16 redundant radio channels, 1 as backup.

DEVICES PER TRANSLATOR

Up to 54 devices per translator.











Comelit's wireless device range is ideal for installations where cabling may be impractical, helping to significantly reduce installation time and disruption.

Wireless translators enable both addressable and conventional systems to be expanded, whether using Comelit or third-party control panels. The LogiFire wireless system is simple and intuitive to configure and manage, from initial installation through to routine maintenance.

Addressable system with **wireless translator.**

The Comelit wireless system integrates seamlessly with existing addressable and conventional systems, without the need for extensive cabling or structural alterations.

The wireless translator enables devices to communicate directly with the control panel, providing real-time management of alarms, faults and notifications - just like a wired system.

CERTIFIED EN54-25



									
45TRA100	**45TRC100**	**45RFU100**	**45RCS100**	**45RML100**	**45PAM100**	**45FPT100**	**45IOM011**	**45RPT100**	**45SKW100**
Addressable translator 15 channels, 54 devices per channel	Conventional translator 15 channels, 54 devices per channel	Wireless smoke detector	Wireless Heat Detector	Wireless multi-criteria detector	Wireless manual call point	Wireless LED remote indicator	Wireless I/O module, 1 input and 1 output	Wireless signal repeater	Wireless survey kit

BEAM DETECTORS

LONG-RANGE DETECTION, RELIABLE PERFORMANCE.



Beam detectors provide an effective fire detection solution for large or complex environments, including warehouses, industrial buildings and large open spaces.

Using optical beam technology, they can monitor distances of up to 120 metres, enabling fast and accurate smoke detection. Simple alignment, automatic signal compensation and resistance to environmental factors help deliver reliable long-term performance with minimal maintenance.

				
41BFI060	**41BFI120**	**43BFC060**	**43BFC120**	**48SBF000**
Addressable beam detector 5-60m	**Addressable beam detector 50-120m**	**Conventional beam detector 5-60m**	**Conventional beam detector 50-120m**	**Wall bracket for beam detectors**



Long-distance detection

Covers distances from 5 to 120 meters, ideal for large open areas such as warehouses, factories, and complex spaces.



Flexible design

Available in addressable and conventional versions, suitable for both new and existing installations.



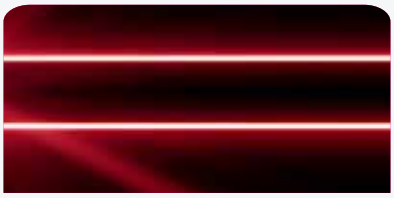
Advanced Management

Addressable versions can be configured and monitored from LogiFire control panels, the cloud, or the MyComelit app.



Simplified installation

Smart alignment system with an integrated laser for faster, easier and more accurate commissioning.



Automatic optimization

Automatically adjusts gain and power in real time to maintain consistent detection sensitivity.



Automatic Signal Compensation

Compensates for dust build-up and minor structural movement, ensuring reliable operation while reducing maintenance requirements.



Dual power supply

Supports loop-powered or external power supply options, providing greater flexibility in system design and installation.



Reliable performance

The IP65-rated enclosure ensures reliable operation in demanding indoor and outdoor environments.



Low power consumption

Consumes less than 7 mA, even in alarm mode, allowing multiple devices to be connected to the same line.



EN 54-21 COMMUNICATOR FOR LOGIFIRE FIRE ALARM CONTROL PANELS.

The 48COM100 is Comelit's digital communicator, designed to connect LogiFire addressable fire alarm control panels to Alarm Receiving Centres (ARCs).

Certified to EN 54-21, it transmits system events, alarms and faults to the ARC, supporting reliable, continuous monitoring of the fire detection system.

When integrated with LogiFire 41CPE118 and 41CPE212 control panels, it converts information received via the ESPA 4.4.4 protocol into widely used monitoring formats, including SIA IP DC-09 and Ademco Contact ID.

A compact, integrated solution for transmitting events, alarms and faults to Alarm Receiving Centres, combining EN 54-21 compliance with resilient dual Ethernet and 4G connectivity.



- **EN 54-21 Certification**
- **Compatibility with Logifire 41CPE118 and 41CPE212 control panels**
- **Ethernet / 4G Communication**
- **Supported protocols: SIA IP DC-09 and Ademco Contact ID**
- **Conversion of events from the ESPA444 protocol**
- **4 programmable inputs**
- **2 relay outputs**
- **Dual 24 VDC power supply: main and backup**
- **Programming via Logiprog**
- **Local connection via USB-C**
- **Installation integrated into the Logifire control panel enclosure**

EASY INTEGRATION. FLEXIBLE MANAGEMENT.

The compact 48COM100 integrates neatly within LogiFire control panels for a clean, space-saving installation. Configuration through LogiProg and a local USB-C connection makes programming quick and straightforward while maintaining consistency across the Comelit ecosystem.

With four programmable inputs and two relay outputs, the communicator can also interface with third-party fire alarm systems, making it suitable for both new installations and existing system upgrades.



Software LogiProg

PA/VA: safety depends on clear communication and control.

In an emergency, fast, clear communication is essential for a safe evacuation. PA/VA systems broadcast precise voice messages that guide people to safety, shorten evacuation times and help reduce risk.

A PA/VA voice evacuation system is more than equipment. It is the voice that guides people to safety—engineered to respond quickly in an emergency, shorten response times and reduce risk.





LOGIRACK

THE MODULAR SOLUTION FOR COMPLEX SYSTEMS.

LogiRack is Comelit's advanced PA/VA solution for complex environments where reliability and effective emergency management are critical.

Modular and scalable, it is ideal for large facilities such as hospitals, airports and shopping centres, supporting multiple zones and high power requirements. Its advanced architecture delivers clear, powerful and reliable voice communication during emergencies, with an automatic backup amplifier and centralised management through an intuitive interface.









LOGIVOX

THE COMPACT SOLUTION FOR EVERY SPACE.

Seamless Integration

An all-in-one system that is easy to install and operate, with native LogiFire integration for automatic alarm management. It is also expandable and compatible with third-party systems.

Built-in Backup

LogiVox control panels support up to six audio zones, with a total distributable power of up to 500 W. Built-in backup functions maintain continuous operation in the event of a fault, without the need for additional wiring.

Applications

LogiVox is suitable for installations of all sizes, from small rooms to large public spaces, providing clear communication to support safe, coordinated emergency management.

Audio Flexibility

LogiVox supports live and pre-recorded announcements from multiple audio sources. Scalable to six networked control panels, it enables flexible, targeted messaging across individual zones.

LogiVox is ideal for small and medium-sized buildings requiring a reliable, integrated PA/VA system. Designed to work seamlessly with Comelit fire alarm control panels, it provides clear, organised and dependable voice communication, even in critical situations.

A SMARTER WAY TO MANAGE FIRE DETECTION SYSTEMS.

Cloud Fire brings the remote monitoring, management and maintenance of every site together on one platform, providing complete visibility and control. More than a control system, it helps you work faster, plan more effectively and deliver a better service.

Advanced user and role management allows access rights and functions to be assigned according to individual responsibilities, including installers, maintenance technicians and site managers.

Cloud Fire helps reduce response times, streamline maintenance and provide customers with a faster, more professional service. Manage more systems with fewer resources, improving productivity and competitiveness.

More control. Less time. Better service.

Total control, wherever you are

Access the real-time status of all connected systems and sites:

- View alarms, faults, tests and activations.
- Check the status of zones, devices and loops.
- Send commands to control panels remotely.
- Manage multiple sites through a single dashboard.

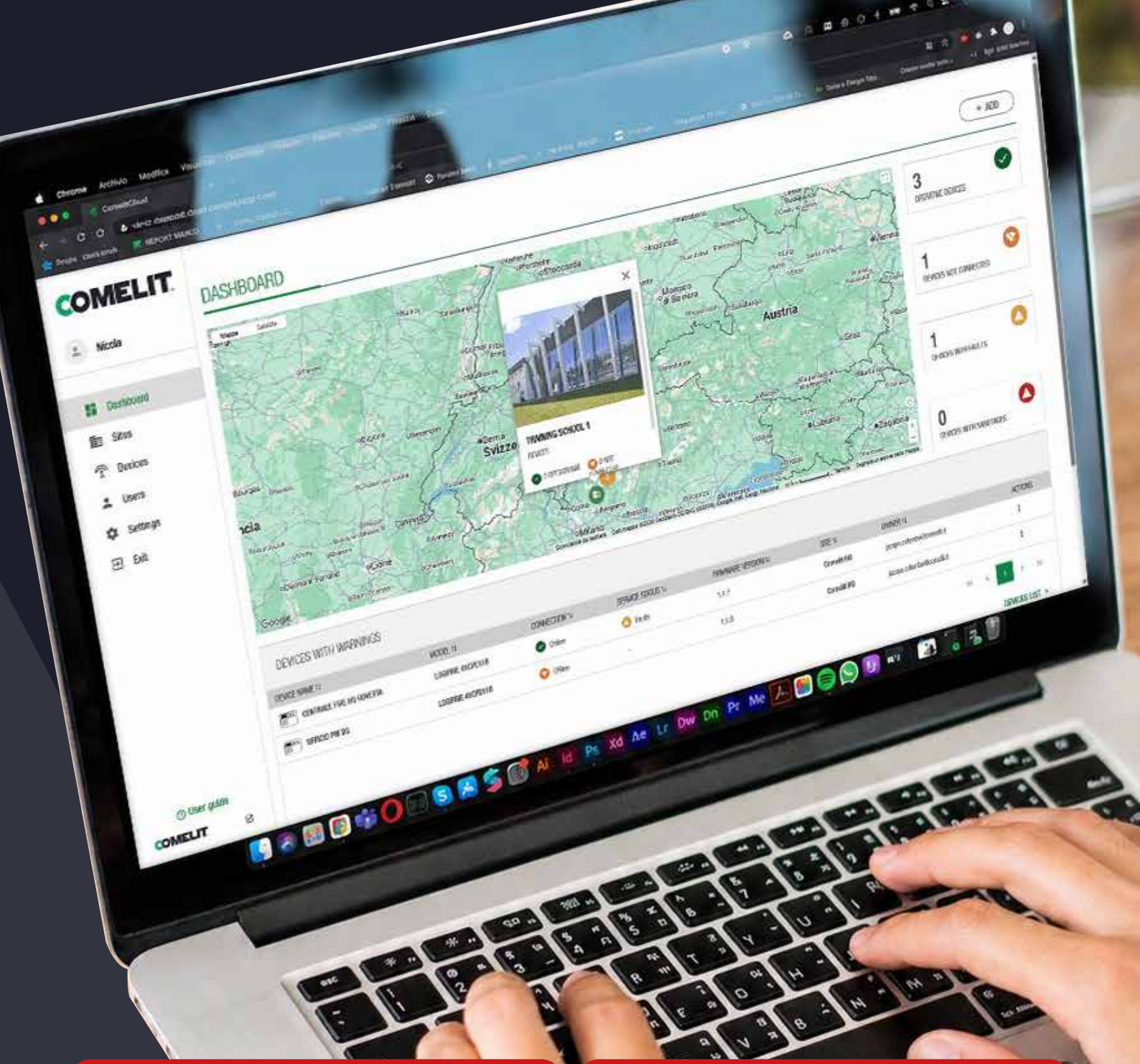
Access key control panel functions from your PC or smartphone.

Faster, more accurate maintenance

Reduce time-consuming manual processes with Cloud Fire:

- Activate maintenance mode remotely..
- Carry out walk tests and check devices immediately.
- Monitor detector contamination levels.
- Track the lifecycle of connected devices.

Faster response times, fewer errors and greater efficiency.



Automatic reports, available whenever you need them

The platform automatically generates:

- Maintenance reports in line with relevant standards
- An up-to-date digital log stored in the cloud

Less paperwork, less admin and documentation that is always ready.

Smart Notifications

Receive personalised notifications through the MyComelit app, by email or via the Cloud portal for:

- Faults and system issues
- Faults and system issues
- Upcoming deadlines

Plan your work more effectively and stay ahead of maintenance requirements.

COMELIT SOFTWARE FOR COMPLETE, INTEGRATED SYSTEM MANAGEMENT

HORUS:
ONE GRAPHICAL PLATFORM FOR ALL COMELIT SYSTEMS.

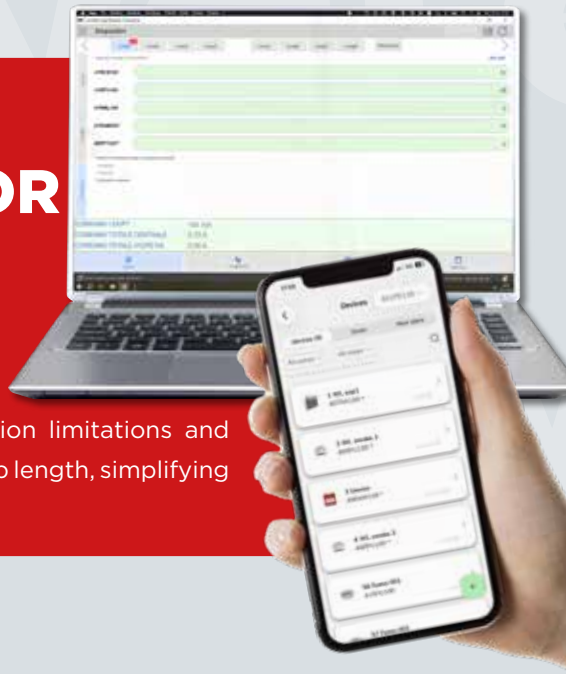
The Horus monitoring platform brings multiple systems together within one intuitive, centralised interface, providing continuous visibility and control.

- Centralised monitoring of intruder detection, video door entry, fire detection, access control and building automation systems.
- Clear visualisation of sites through interactive maps.
- Real-time notifications and immediate event management.
- Automatic visual verification of fire events using linked cameras.
- Automated emergency actions, including:
  - Escape route illumination and door release
  - Ventilation shutdown
  - Broadcast of voice evacuation message



Software Horus

ALL-IN-ONE LOOP AND BATTERY CALCULATOR



Comelit provides calculation tools for addressable fire detection systems, helping installers accurately configure and size each system from the early design stage.

The software verifies connected devices, identifies potential installation limitations and automatically calculates the required battery capacity and maximum loop length, simplifying both installation and commissioning.



LOGIGUARD:
A SMARTER WAY TO MANAGE FIRE DETECTION SYSTEMS.

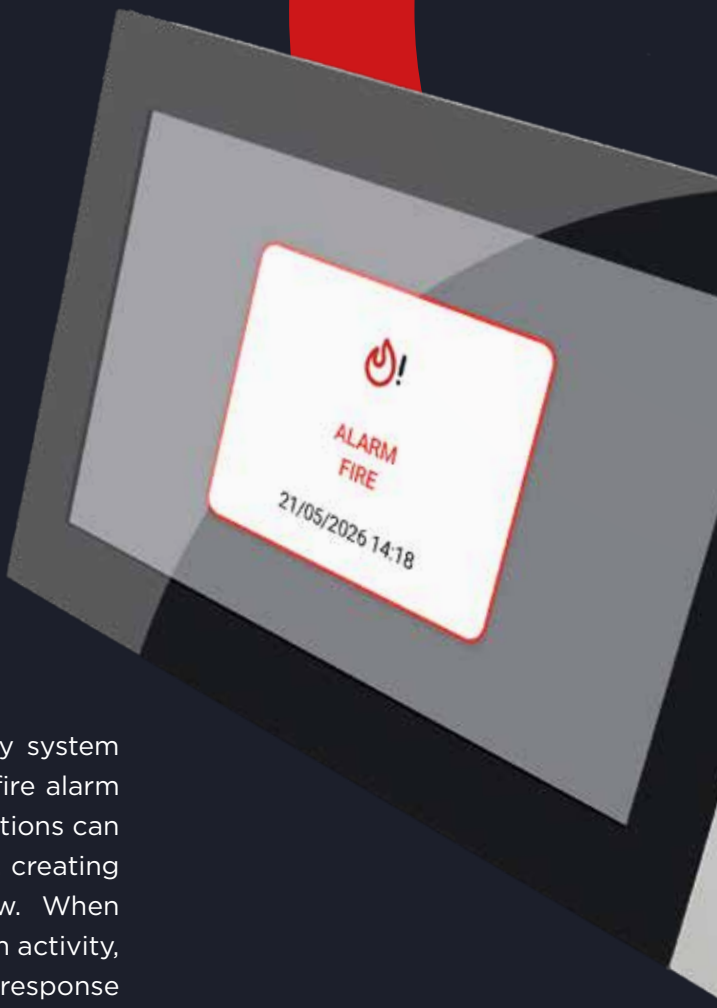
LogiGuard is Comelit's software platform for the centralised monitoring and management of LogiFire systems. Interactive graphical maps provide a clear, real-time overview of system events across one or multiple sites.

- Pinpoint alarms, faults and system events on floor plans
- Verify events quickly through video integration
- Monitor control panels, loops, detectors and devices in real time
- Centrally manage multiple buildings or sites
- Review event history and track system activity
- Remotely manage evacuation, alarm silencing and device activation or deactivation

Software LogiGuard

FIRE-TO-VIP INTERFACE.

ONE INTERFACE. CLEARER EMERGENCY COMMUNICATION.



By integrating fire detection with the IP video door entry system, FIRE-to-VIP makes critical alerts immediately visible throughout the building, helping occupants understand what is happening and respond more quickly. Visual and audible notifications support clearer communication during emergency situations, improving coordination and helping ensure that important information reaches the right people at the right time.

The FIRE-to-VIP module allows the IP video door entry system to receive and distribute information generated by the fire alarm control panel. Pre-alarms, alarms and evacuation notifications can be routed according to the event, floor or area involved, creating a more structured and targeted communication flow. When required, alerts can also be prioritised over normal system activity, helping support a faster, clearer and more coordinated response throughout the building.

CENTRALISED CONTROL

Where a concierge desk is available, the switchboard becomes the central hub for receiving and managing alarm, fault and system notifications. It provides operators with a clear overview of the building's status, helping them quickly identify the type and location of an event and coordinate the appropriate response. By bringing critical information together in one place, the switchboard supports faster decision-making and more effective communication during an emergency.





TARGETED ALERTS.

Fire-to-VIP distributes notifications according to the type of event and the area involved. Pre-alarm, alarm and evacuation alerts can be sent directly to compatible video entry monitors, while fault and communication error notifications are routed to the porter switchboard, helping ensure that the right information reaches the right destination.

EMERGENCY TAKES PRIORITY.

When an alarm occurs, the video entry monitor provides both a visual and audible warning to make the event immediately recognisable. If an alarm is triggered during an active call, the call is automatically ended so that the emergency notification can take priority.



Clear alarms. Immediate action.

Pop-up notifications and audible alerts make risks easy to identify, enabling a fast and informed response.



Always connected, wherever you are.

App notifications are sent directly to your smartphone, keeping you informed even when you are away from the building.



Easy installation. Maximum flexibility.

Designed for straightforward integration into new and existing systems, ensuring quick installation and maximum adaptability

LOGIFIRE SYSTEM ARCHITECTURE



WIRELESS
Up to 16 expanders per system
(1 backup) 54 devices each

Loop line



41CPE118
Up to 4 Loops
or up to 8 Loops
with 41CPE104 extension box

Up to 64 panels

Redundant RS485 panels connection



41CPR100
Panel repeater

RS485



41CPE212
Up to 2 Loops

Ethernet

Loop line

INTEGRATIONS

PA/VA
PA/VA to FIRE integration:
up to 6 Logivox connectable to 1 Logifire panel for automatic alarm and phase evacuation management



48COM100
EN54-21 LAN/4G
communicator compatible with Logifire panels, for sending statuses to ARC (alarm receiving centre).



Fire 2 ViP
Integration with ViP door entry system,
to notify any emergency situation via the concierge switchboard or internal units.





CONVENTIONAL ZONE MODULE
A special addressable module, able to integrate and manage conventional devices



CONVENTIONAL ZONE



DETECTORS & RI
Addressable optical smoke, heat, multi-sensor detectors and remote indicator



MANUAL CALL POINTS
Addressable manual call points for indoor and outdoor installations

CLOUD & MONITORING SW

SUPERVISION AND REMOTE CONTROL of all your systems directly on your PC, tablet or smart phone.

COMELIT CLOUD



HORUS
Multi-family monitoring software platform.



LOGIGUARD
Monitoring software dedicate to Logifire control panels.





SOUNDERS & VAD
Addressable sounders and base sounders, available with or without beacons



BEAM DETECTORS
Addressable reflective beam smoke detectors with ranges up to 60m and 120m



I/O MODULES
A complete range of I/O (from 1 to 4 Input/Output) modules, to easily integrate special systems or third-party devices, available with small or big box



Fire Suppression Panel



ASD panel



Logirack Modular PA/VA System

FULL SUPPORT, AT EVERY STAGE OF THE PROJECT.



UK technical support

Available by telephone Monday to Friday, 8.30 Am–5.00 Pm.



Training courses

Professional in person and virtual training, with additional courses available on request.

When you choose Comelit, you need solutions and support you can depend on. That commitment shapes everything we do - from developing reliable, easy-to-install systems to providing expert guidance at every stage of your project.

With high-quality products, dependable systems and dedicated UK technical support by phone and on site, we help you deliver successful projects with confidence.
With You, Always. Because your success is our success.



Site surveys

On-site technical and commercial assessments to identify the right solution for your project.



Warranty

A five-year warranty is included as standard. Speak to your Comelit-PAC representative for more information.



UK

Genting Casino - Westfield Stratford City, London, UK



UK

Samaritans - Ewell, UK

CASE STUDIES

SUCCESS IS MEASURED BY THE VALUE WE DELIVER TO OUR CUSTOMERS.



UK

Rampworx Skatepark - Merseyside, UK





UK

Aquitania - West Waterloo Place, Liverpool, UK



UK

Stanley Sports Hub - Thorneyholme Road, Accrington, UK



UK

Broxbourne School - Broxbourne, Hertfordshire, UK

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