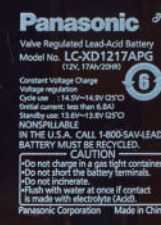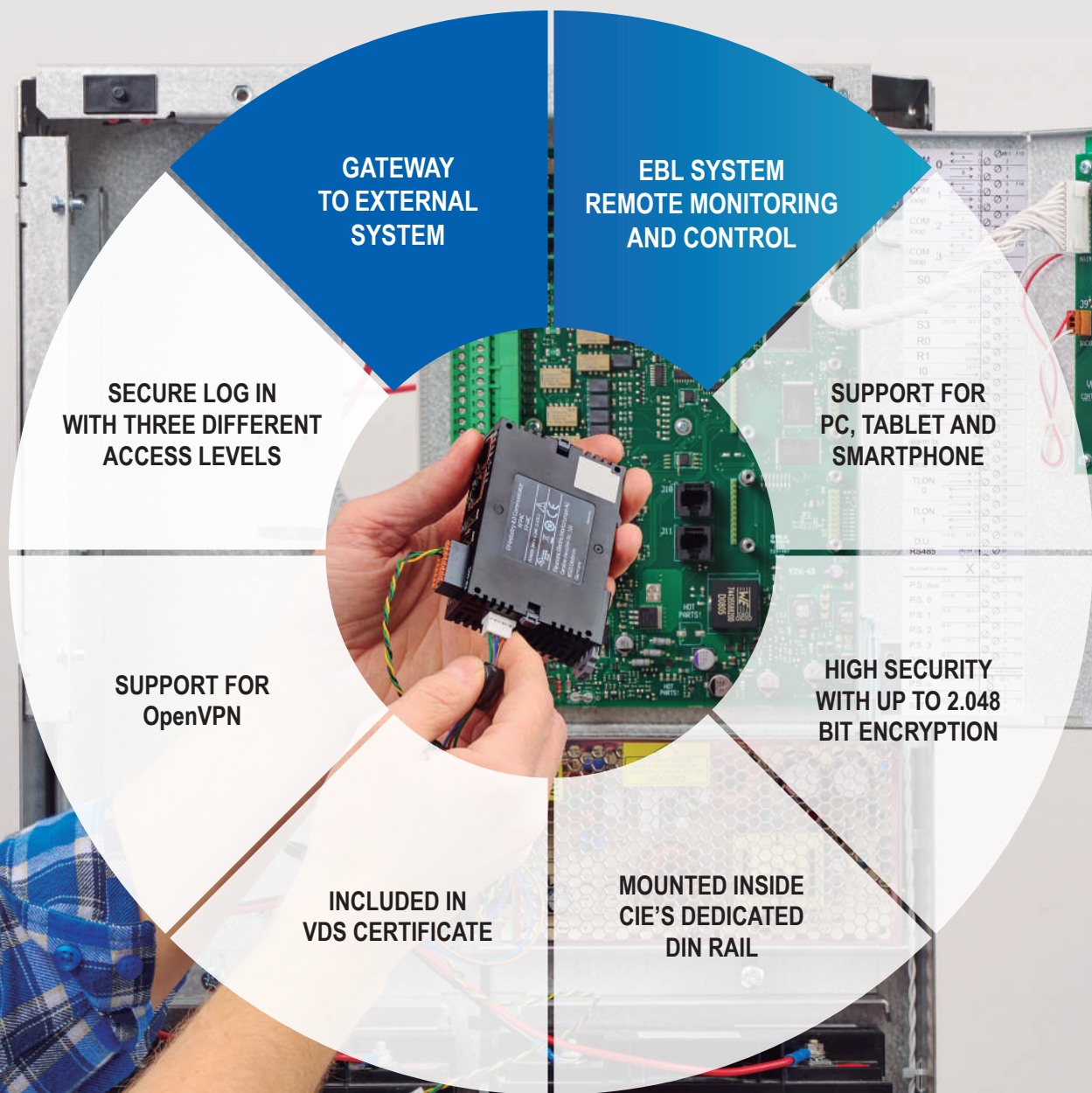# GATEWAY
Connectivity & Software

Panasonic

www.panasonic-fire-security.com

Gateway
Tools for easy interaction

Easy interaction with EBL fire alarm systems has always been a main driver in our innovation work. With Gateway 5088 hardware platform we have continuously developed new applications and powerful functions that make your work much more efficient and save money for installers, maintenance companies and building owners.

The Gateway enables connection of your EBL fire alarm system to the outside world. Use it to run any of Panasonic's software tools for remote monitoring and operation, or for one-man testing of the system. It can also serve as a gateway for connecting the fire alarm system to a 3rd party security or building management system.

GATEWAY TO EXTERNAL SYSTEM

EBL SYSTEM REMOTE MONITORING AND CONTROL

SECURE LOG IN WITH THREE DIFFERENT ACCESS LEVELS

SUPPORT FOR PC, TABLET AND SMARTPHONE

SUPPORT FOR OpenVPN

HIGH SECURITY WITH UP TO 2.048 BIT ENCRYPTION

INCLUDED IN VDS CERTIFICATE
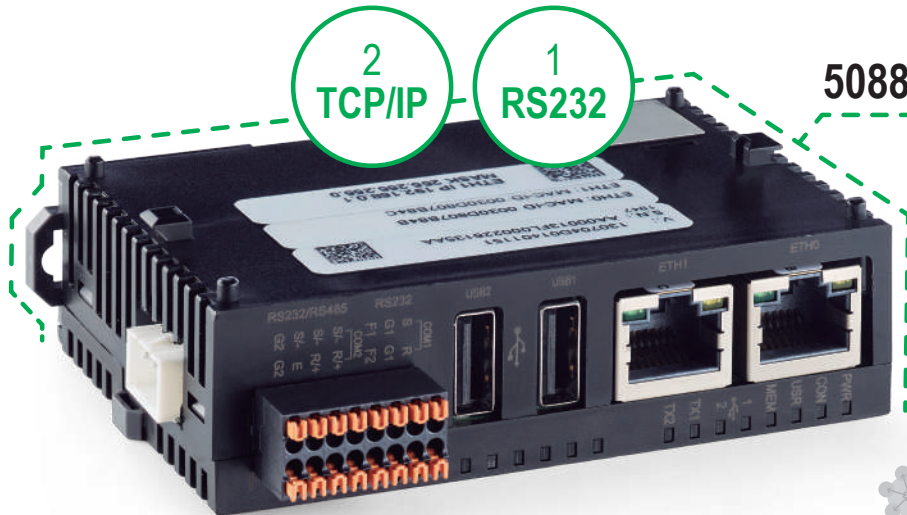
MOUNTED INSIDE CIE'S DEDICATED DIN RAIL

A gateway to external system

It is possible to run one application via the serial port and at the same time use one of the two TCP/IP ports for another protocol with a different application.

The Gateway comes with a large number of standardised protocols and two open protocols, developed by Panasonic, for TCP/IP and serial port connections.
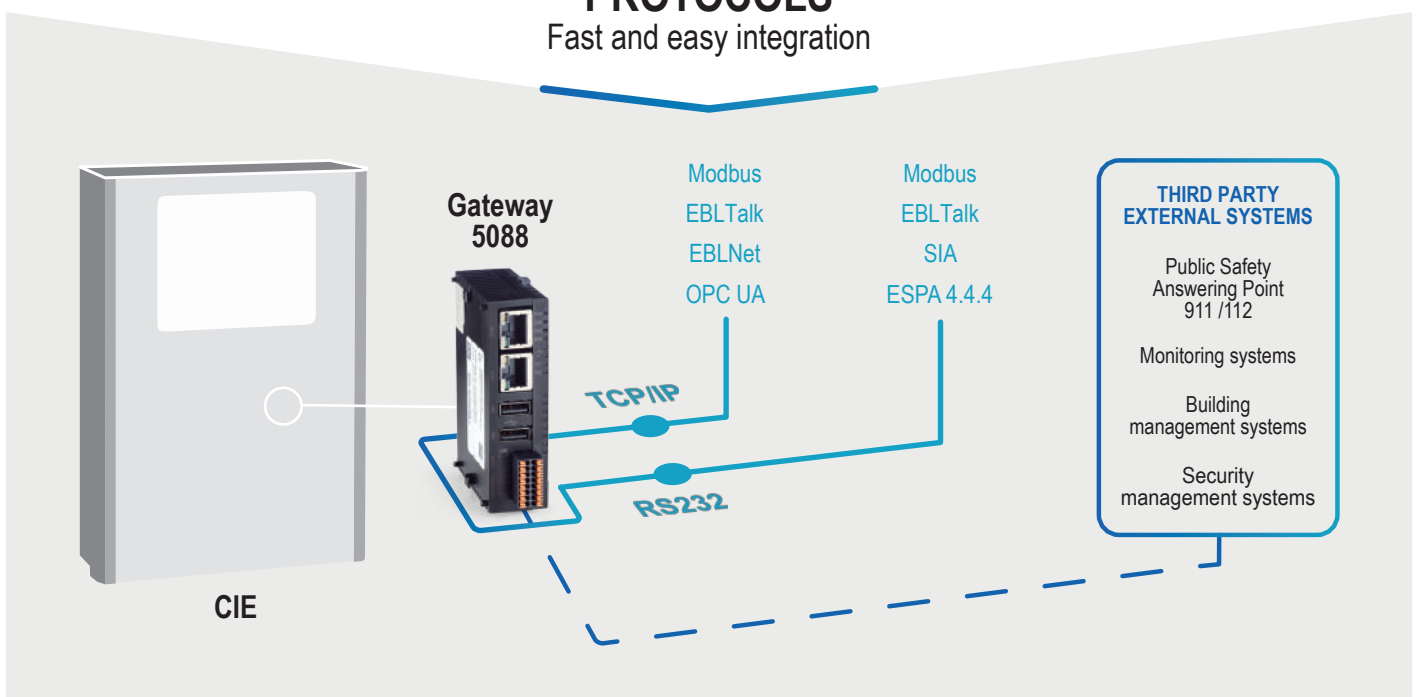
CONNECTIONS
Simultaneous use

| 2 TCP/IP | 1 RS232 | 5088 |

SIA

OPC UA

Modbus

ESPA 4.4.4

EBLNet   EBLTalk

PROTOCOLS
Fast and easy integration

Gateway 5088

Modbus	Modbus
EBLTalk	EBLTalk
EBLNet	SIA
OPC UA	ESPA 4.4.4

TCP/IP

RS232

CIE

THIRD PARTY EXTERNAL SYSTEMS

Public Safety Answering Point 911 /112

Monitoring systems

Building management systems

Security management systems

Protocols

OPC UA

A protocol for now and the future, that is expected to be the dominant for Industry 4.0. It serves as our most powerful integration tool, acting as a OPC UA server that any OPC UA client can connect to. The node-based system will expose the following nodes:

> EBL system

> Alarm point / Fault / Disablement

> Interlocking

> Technical warning

> Force activated output

Modbus

One of the most commonly used protocols for industrial systems and automation. Panasonic offers two Modbus options, Ethernet interface allows monitoring of 999 zones with 99 alarm points each and presents status such as:

> Fire alarm

> Pre-warning

> Disablement

> Fault

> Service

ESPA 4.4.4

Serial protocol initially developed for paging systems, but now widely used for smartphones and tablets to receive status alerts. One common application is to transmit additional information to the fire brigade and alert to building officers. The following messages are supported:

> Pre-warning and fire alarm

> Key cabinet and communication fault
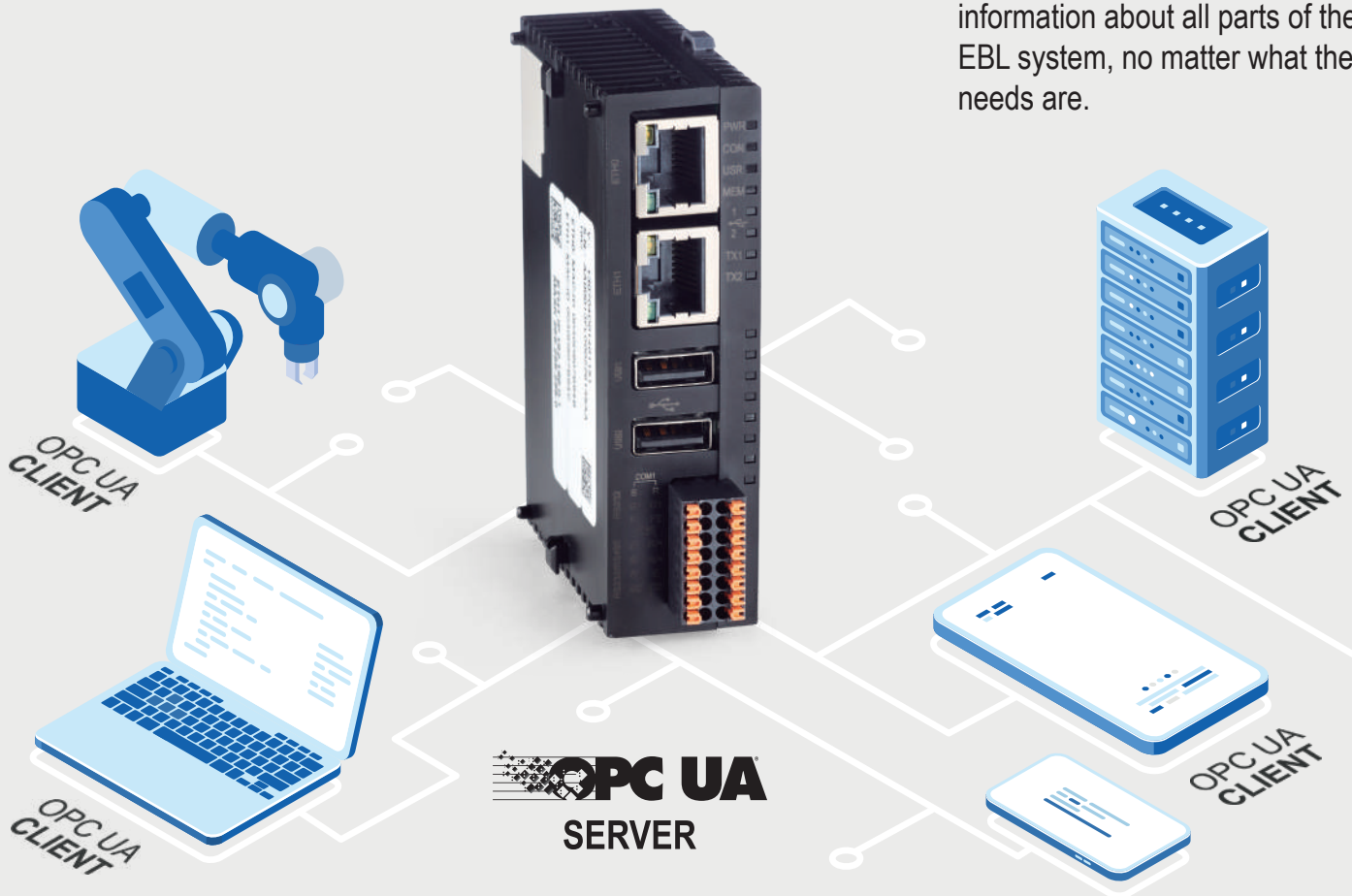
It provides OPC clients a nice overview and a very detailed information about all parts of the EBL system, no matter what their needs are.

OPC UA CLIENT

OPC UA CLIENT

OPC UA
SERVER

OPC UA CLIENT

OPC UA CLIENT

SIA

This is a standard protocol used for alarm transmitters and allows for detailed information to be transmitted to the alarm receiving center, so that they will be able to make sure the people reacting to an alarm has full information when they reach the facilities.

EBL Net

It is a user-friendly tool developed by Panasonic to receive data and events from the EBL system via TCP/IP and perform operations in a security management system. It is a class library built on Microsoft.NET and includes an SDK with redistributionals, documentation, and example code. An EBLNet license is required for its implementation.

EBL Talk

It is the serial port-based Panasonic protocol for interfacing security management systems. It is a well-defined bit synchronous protocol as defined in ISO1177. Use as a simple text-based protocol to retrieve status information from Fire Alarm System. Makes it simple for customers to develop 3rd party clients to receive information such as pre-fire alarm, faults, pre-warning amongst other status.
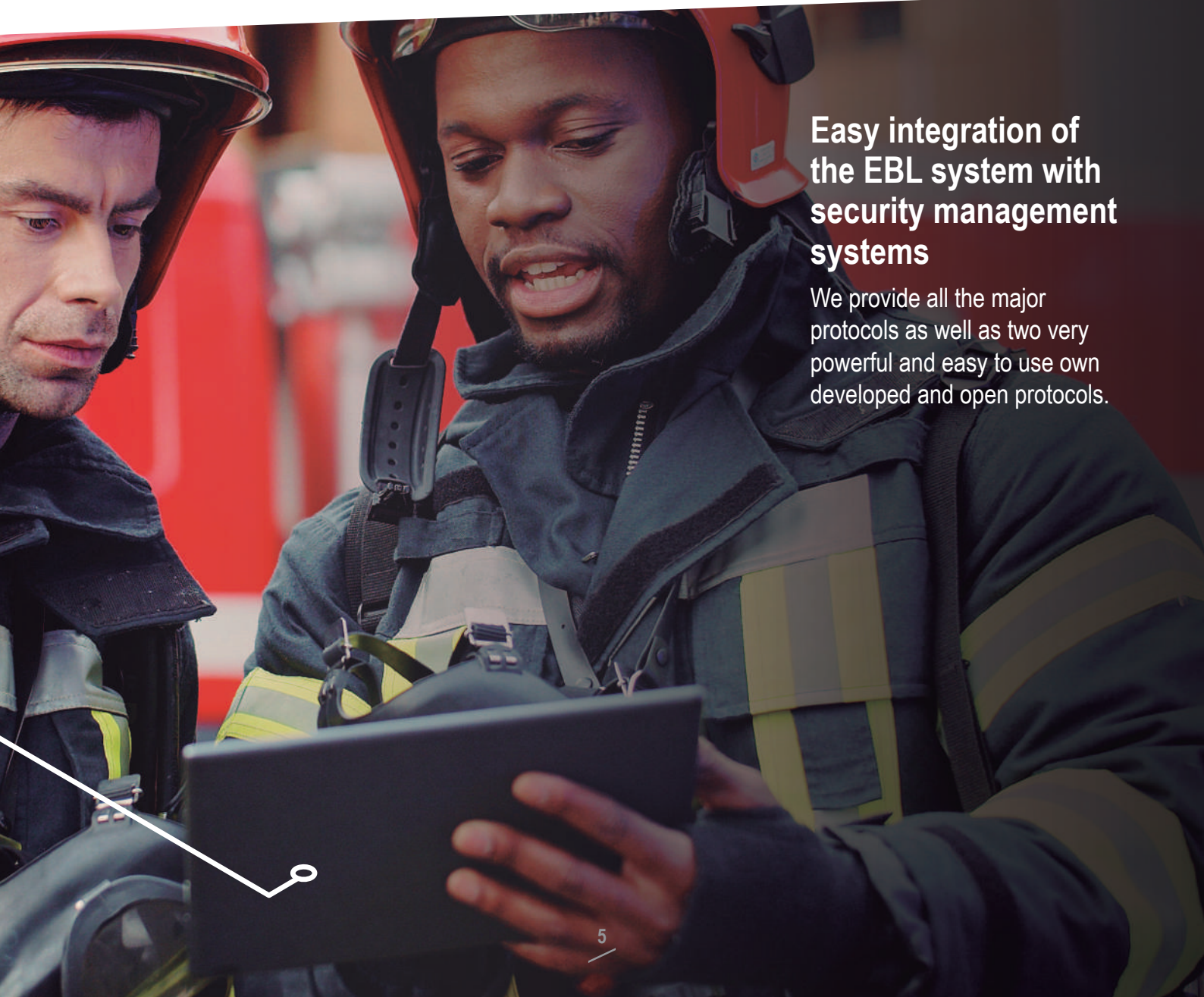
Easy integration of the EBL system with security management systems

We provide all the major protocols as well as two very powerful and easy to use own developed and open protocols.

Software for remote monitoring and control

EBLWeb

Every Gateway comes with the free application EBLWeb, which provides a secure way of remotely monitoring and operating your EBL system. Here you will get a real time presentation of:

› Fire alarms, pre-warnings, faults, disablements, technical warnings

› After log in, users with high access levels may perform secure remote operations

› Disable and re-enable alarm points, zones and alarm devices

› Activate outputs

EBLGraphics

This is the ideal solution if you want to create a graphical representation of your fire alarm system. The setup time is minimal because all alarm points are automatically imported from the configuration - no need to create any new data. Drawings and symbols are easily customised to fit any need. Once in place, you can interact directly in the drawings:

› Disable and re-enable detectors and zones

› Activate outputs

› Reset fire alarms

› Acknowledge faults

› View live camera feeds

Easy configuration with EBLWin

For its configuration, you just need the same easy-to-use EBLWin software used for the rest of components of the EBL system. A step-by-step wizard in EBLWin guides users through the configuration process, making it accessible to anyone, not just computer or network technicians. The wizard includes steps such as settings of IP address, netmask, protocol selection and setup, e-mail client, etc. Again, our innovations make your life easier.
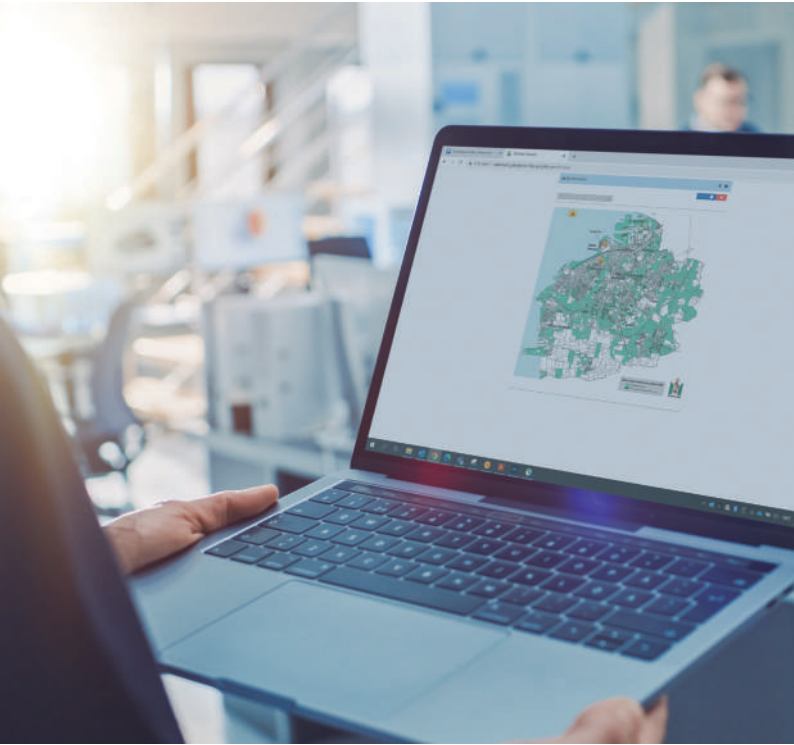
EBL App

Free and powerful smartphone tool for maintenance and service, with the mobile application already included in the Gateway. Allows for true one-man testing. Automatically creates a test report with a timestamp for each tested detector. The report can be signed, saved as a PDF, and stored, printed, or shared as desired.

❯ Detector testing with report generation

❯ Check loop remotely

❯ LED activation to verify commissioning

❯ Verification of all kind of outputs

EBL Web Monitor

Especially developed for users with distributed fire alarm systems. Imagine a city with 20 schools, some sports arenas, maybe additional elderly care centers and kindergartens. Here EBLWeb monitor provides real-time status of all these fire alarm systems in a single web browser window. At the office on your PC and on the move in a tablet or smartphone.

Panasonic

Authorized distributor