



Flexibility taken to the next level

MAP 5000 intruder alarm systems



BOSCH

Invented for life

Flexible high-end technology **that sets new standards**

Intrusion alarm systems are an indispensable part of modern security concepts. As soon as they register that unauthorized persons have entered a supervised area, they trigger an alarm, thus protecting important assets. In this context, the Modular Alarm Platform (MAP) 5000 by Bosch is the measure of all things. Bosch has now further developed this high-end solution and opened up new possibilities with the MAP 5000 family.

Benefit from progress

With its adaptable structure, the MAP 5000 family sets new standards. Wherever complex tasks require a scalable, flexible intrusion alarm system, it provides the right solution – for all security levels. The MAP 5000 family offers you decisive advantages:

► **High flexibility**

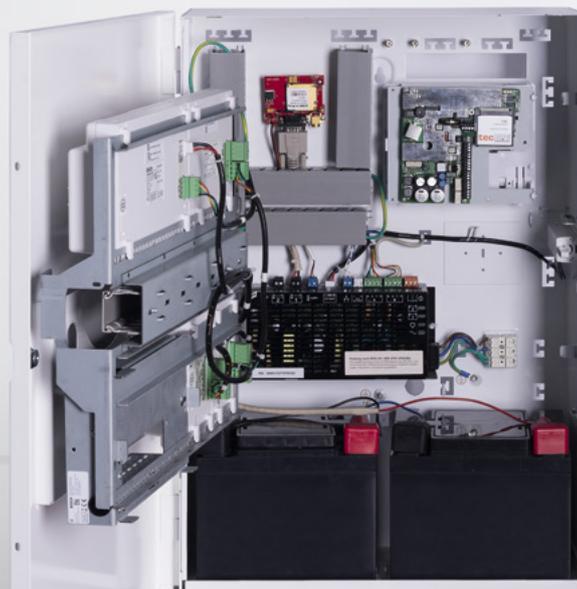
The modular structure is easily scalable. If your requirements grow, the intrusion alarm system can grow to as many as 1,500 addresses, 500 areas and 1,000 users.

Modular Alarm Platform

Selected products

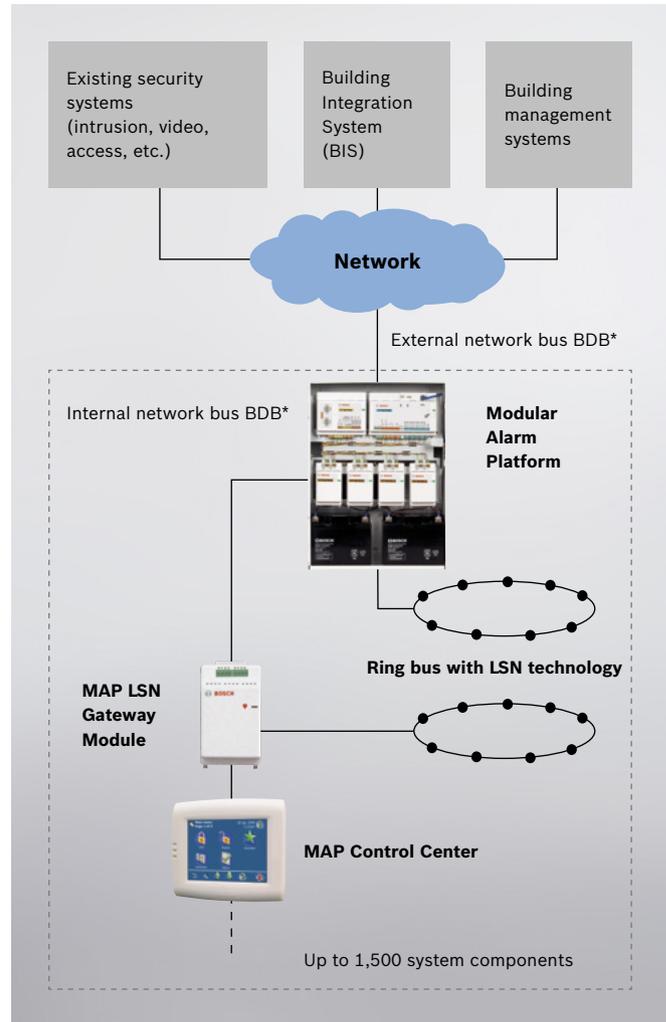


MAP Control Center



Modular Alarm Platform (MAP) 5000 COM

- ▶ **Reliable LSN (Local Security Network) technology**
Thanks to its self-learning mode, the LSN detector bus from Bosch is easy to install and provides robust and reliable security – a short circuit or interruption does not lead to system failures.
- ▶ **Greater installation flexibility**
The optional MAP CAN Splitter Module allows up to 9,000 meters of cable length per installation. This enables the monitoring of large areas, for example several buildings across a university campus. At the same time, it stabilizes the whole system and thereby increases system availability and cabling options.
- ▶ **Easy system integration**
Using the new Open Intrusion Interface (OII), MAP 5000 can be easily integrated via software into the Building Integration System (BIS) from Bosch or any other building management system you request.
- ▶ **Certified security**
The MAP 5000 intrusion alarm system comply with international standards. All systems are certified in accordance with EN 50131 Grade 3, VdS class C and AFNOR grade 3.



* Bosch data bus

The individual variants at a glance

Model	Number of elements	Operation	Communication with monitoring station
MAP 5000 COM	Up to 8 LSNi modules, each with up to 127 bus elements	Up to 32 multi-lingual touch screen user interfaces	Via an integrated IP transmission device or GPRS
MAP 5000	Up to 8 LSNi modules, each with up to 127 bus elements	Up to 32 multi-lingual touch screen user interfaces	Via an external transmission device

* Advanced Encryption Standard (AES) 256 complies with the requirements of the German Federal Office for Security in Information Technology (BSI) for critical infrastructures

Benefit from the **innovation power of Bosch**

Since its launch, the Modular Alarm Platform has been a byword for cutting-edge technology. Bosch has now taken the next step and is driving further technical development through the use of practical innovations. What does this mean for you? Quite simply: even better support in overcoming your everyday challenges.

Alarm transmission over IP

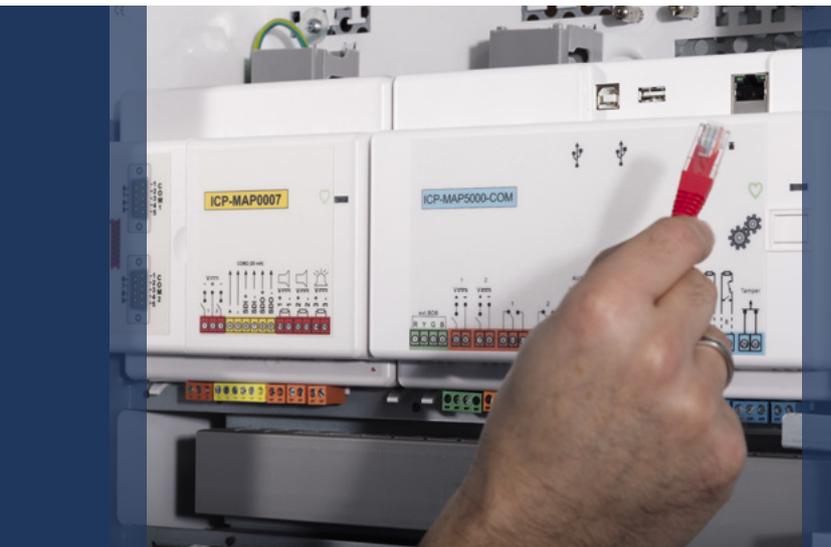
With MAP 5000 COM, alarm communication is achieved via an integrated IP transmission device. Because the module is already integrated into the control panel housing, installation costs can be significantly reduced and maintenance is also far less time consuming. The connection is performed via standard IP networks such as the Internet.

MAP 5000 COM is certified in accordance with EN 50131 Grade 3, AFNOR shield 3 and VdS class C. The system supports the open IP protocol SIA-DC09 UDP and TCP, the Conettix protocol from Bosch and the

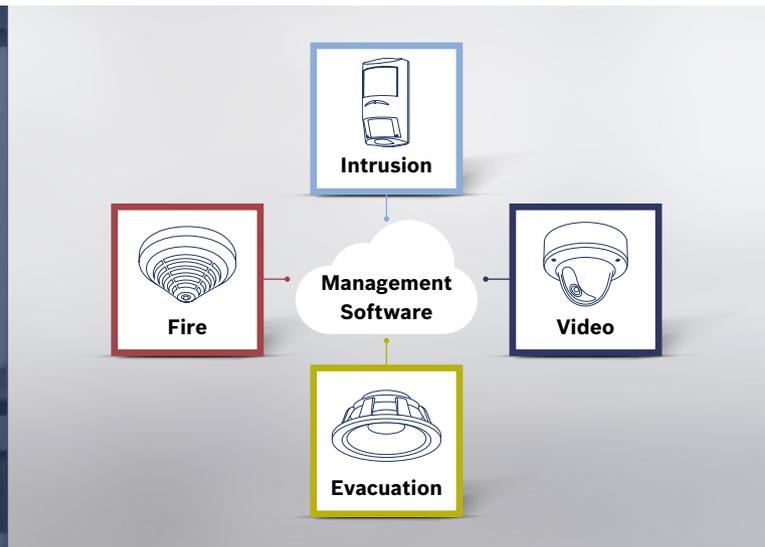
german VdS 2465 protocol. Encryption is carried out in accordance with AES (Advances Encryption Standard) 256. This meets the requirements of the German Federal Office for Security in Information Technology (BSI) for critical infrastructures.

Open Intrusion Interface

If you wish to integrate a MAP 5000 family intrusion alarm system into your building or safety management system, Open Interface Intrusion (OII) makes it easy. The software works in accordance with international IP standards and is compatible with the products of any manufacturer. A direct connection to the control panel



Alarm transmission over IP



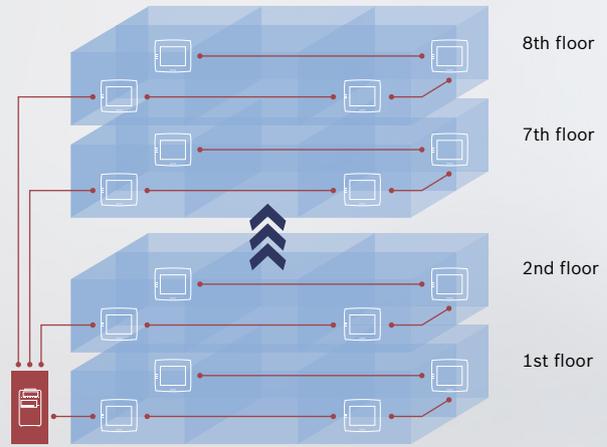
Easy to integrate

MAP CAN Splitter Module



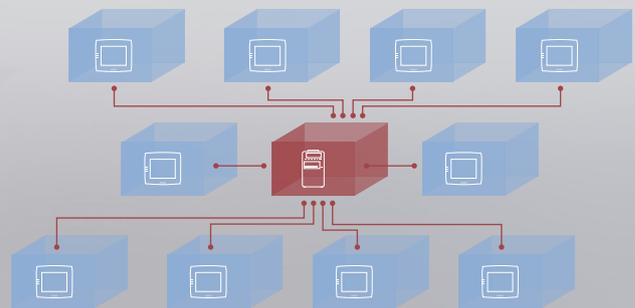
Application example 1

Multi-story building



Application example 2

Distributed building



—●— Bosch data bus (BDB) cable

of your management system is established for each MAP control panel, from where you have full access to your intrusion system. As soon as it registers an event, your employees at the central control room will immediately receive a detailed message. This enables them to quickly and purposefully respond in case of alarm.

This automatic alert function can be tailored to your specific needs, enabling optimal, efficient alarm preparation by management system staff.

MAP CAN Splitter Module

If several stories in large buildings are connected to the system, the MAP CAN Splitter Module enables the creation of a flexible system architecture, adapted to the

respective structural requirements.

The optional solution distributes a Bosch data bus on two independent and isolated wire runs to connect keypads, LSN gateways and additional power supplies. This enables flexible wiring in different directions with a cable length of up to 9,000 meters (1,000 m external Bosch data bus + 16 x 500 m via MAP CAN Splitter Module) and provides a higher level of reliability.

In many cases, this simplifies installation. The reduced effort also lowers installation costs. Another advantage is improved availability. If an error occurs in one area, the other areas remain unaffected and continue to function reliably.

Application examples

You can use the Modular Alarm Platform of intrusion alarm systems in many ways. Whether major project or medium-sized application – the innovative technology masters the challenges you face. These application examples prove this and assist you in choosing the right system variant.

Realize your safety concept without compromise

Whether jewelry store, bank branch, museum or airport – you can adapt the MAP 5000 family intrusion alarm systems to perfectly meet your needs. This versatility is supported by a wide range of peripherals and control devices.



Example museum

EN Grade 3, MAP 5000 COM

- ▶ Integrated IP alarm transmission
- ▶ 650 detectors
- ▶ 6 areas
- ▶ 8 MAP Control Centers (keypads)



Example airport

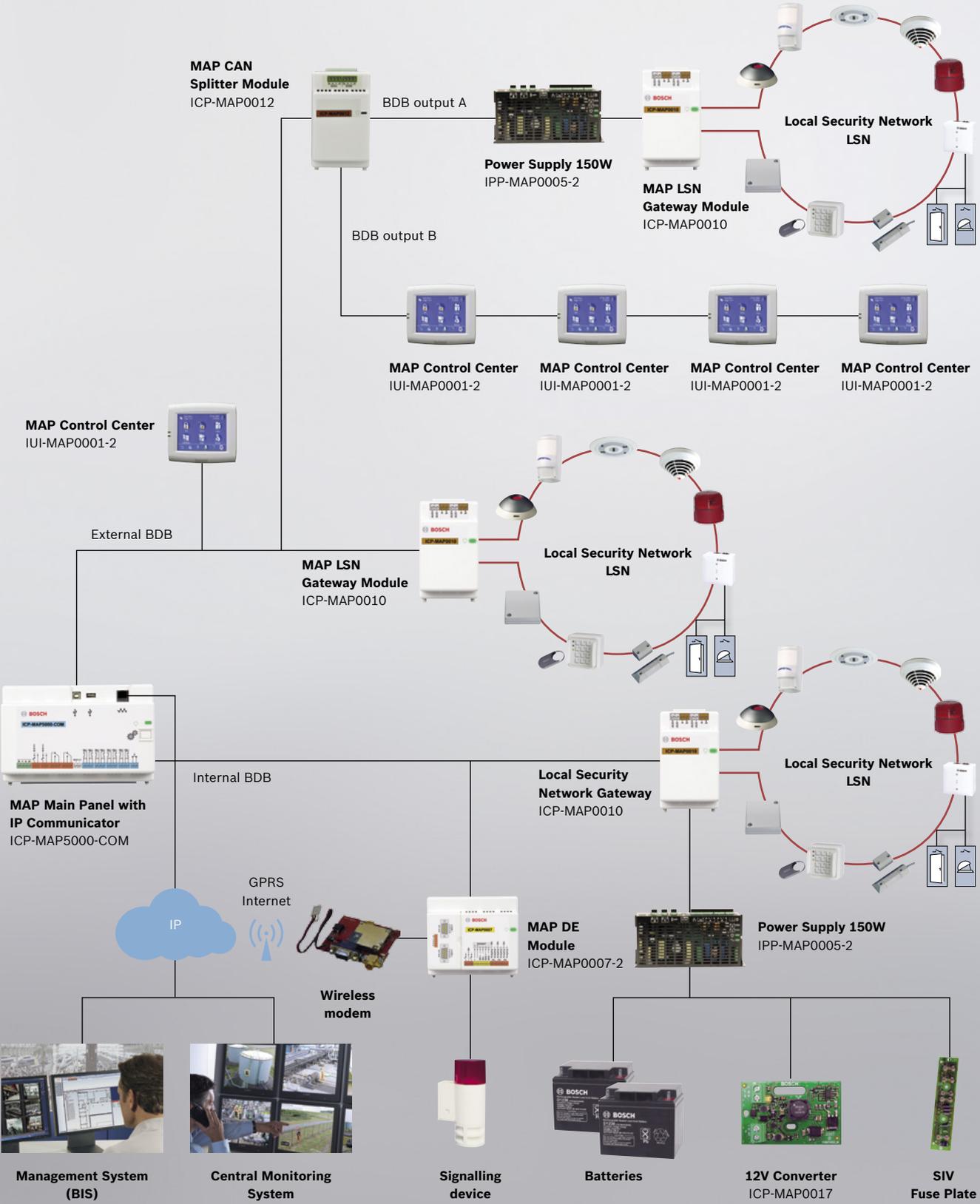
EN Grade 3 and VdS class C, MAP 5000

- ▶ Connection via O11 to the management system of the airport's own 24-hour manned alarm control center
- ▶ Installation of 4 MAP 5000
- ▶ 3,500 detectors
- ▶ 30 areas
- ▶ 40 MAP Control Centers (keypads)



Quick overview Modular Alarm Platform 5000

MAP 5000 COM with integrated IP alarm transmission device



Global Innovation for a secure future

For more than 125 years, the Bosch name has stood for quality and reliability.

Our sales organizations around the world offer a comprehensive range of top-quality products in the areas of fire alarm systems, public address, evacuation and voice alarm systems, video, access control, intrusion alarm and security management systems and support. Benefit from purchasing from a single supplier – a true global player with a worldwide sales and production network. When only the best is good enough, you should take a look at what Bosch has to offer.

Bosch Security Systems

More information can be found at
www.bosch-sicherheitsprodukte.de
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