

Invented for life



BOSCH



**Modular Alarm Platform
MAP5000**

**Great
flexibility
for better
security.**

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 MAP5000 family.

Modular Alarm Platform Selected products



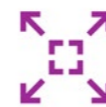
Modular Alarm Platform (MAP)5000

The individual variants at a glance

Model	Number of elements	Operation	Communication with monitoring station
MAP5000 COM	Up to 8 LSN Gateway modules, each with up to 127 bus elements	Up to 32 keypads	Via an integrated IP transmission device
MAP5000	Up to 8 LSN Gateway modules, each with up to 127 bus elements	Up to 32 keypads	Via an external transmission device
MAP5000 small COM	Maximum 1 LSN Gateway module with 127 LSN bus elements	Maximum 2 keypads	Via an integrated IP transmission device
MAP5000 small	Maximum 1 LSN Gateway module with 127 LSN bus elements	Maximum 2 keypads	Via an external transmission device

Benefit from progress

With its adaptable structure, the MAP5000 family sets new standards. Wherever complex tasks require a scalable, flexible intrusion alarm system, it provides the right solution – for all security levels. The MAP5000 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. 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.



Certified security

The MAP5000 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 and more.



Reliable LSN (Local Security Network) technology

MAP5000 makes use of the unique LSN loop technology invented by Bosch. Thanks to the LSN features, MAP5000 is one of the most secure intrusion alarm systems available in the market.



Remote user management

Multi User Manager is a software that makes it possible to manage users of MAP5000 panels remotely. You can create and edit up to 200.000 users and 800 panels. The panel users, groups and authorizations can be managed using a simple web application. Next to being an easy to use system, it can give a quick overview of panel organization, and uses a powerful core allowing for various additional features.



Easy system integration

MAP5000 is fully integrable with Building Integration System from Bosch but using the Open Intrusion Interface OII (Rest API), MAP5000 can easily be integrated into any other building management system you prefer.

MAP touch keypad 5000

The new MAP Touch keypad 5000 has a durable 5.7" LCD touch screen with adjustable LED backlight and built-in speaker. It can easily be installed with snap-in terminal connections. This leaves none of the components exposed when accessing terminals. The keypad is also user-friendly thanks to the graphic interface with intuitive icons and menus. Language use is software related not Keypad spec.



5.7" LCD touch screen with adjustable LED backlight

Graphic interface with intuitive icons



Easy installation with auto lock

Built-in speaker



Benefit from the innovation power of Bosch

Since its launch, the Modular Alarm Platform 5000 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 MAP5000 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.

MAP5000 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. Encryption is carried out in accordance with AES (Advances Encryption Standard) up to 256 bit. This meets the requirements of the German Federal Office for Security in Information Technology (BSI) for critical infrastructures.

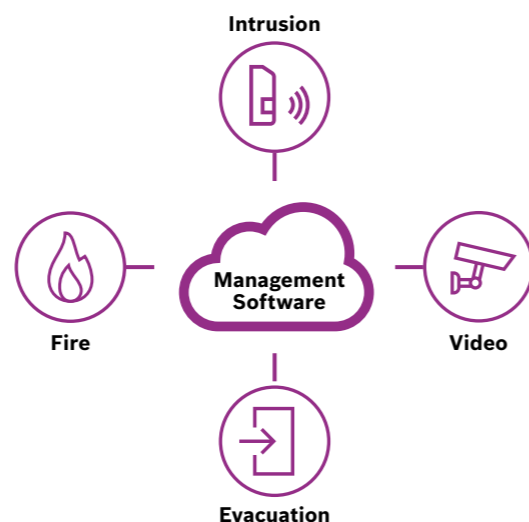
Open Intrusion Interface

If you wish to integrate a MAP5000 family intrusion alarm system into your building or safety management system, the Open Intrusion Interface (OII) makes it easy. A REST based API (REST API) is available to allow the integration of third party building management systems. 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 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.



Alarm transmission over IP



Easy to integrate

MAP CAN Splitter Module

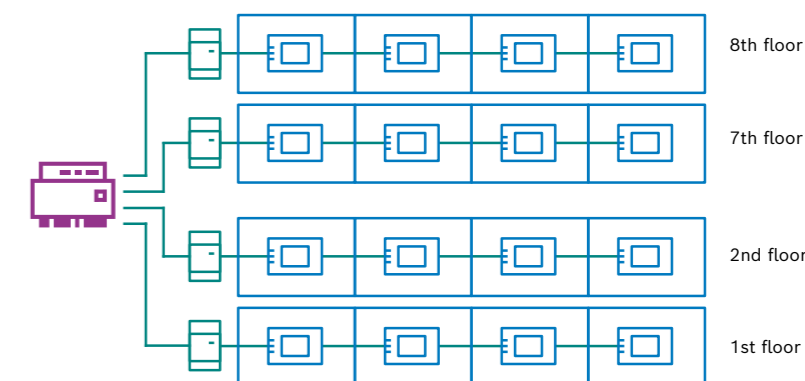


MAP CAN Splitter Module

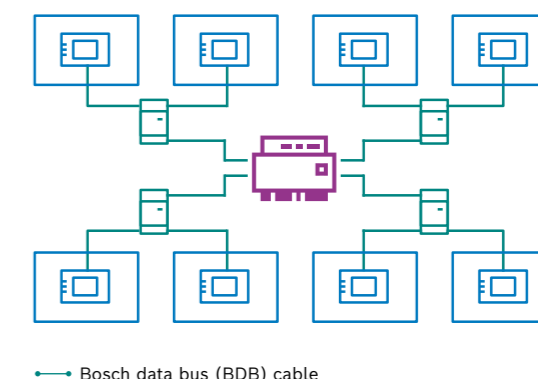
If several stories in large buildings are connected to the system, the MAP CAN Splitter Module enables the creation of a flexible system architecture, adapted to the respective structural requirements. The optional solution distributes a Bosch data bus (BDB) on two independent and isolated wire runs 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. The CAN splitter also does not require programming via software. It is simply a hardware splitter that needs no maintenance or firmware updates.

Application example 1 Multi-story building



Application example 2 Distributed building



LSN loop technology

MAP5000 makes use of the unique LSN loop technology invented by Bosch. Thanks to the LSN features, MAP5000 is one of the most secure intrusion alarm systems available in the market.

LSN loop technology from the MAP5000 is secure, cost efficient, and easy to configure compared to conventional bus and conventional EOL bus.

- LSN has a 100% fault tolerance, thanks to the loop technology. This provides much higher security and reliability compared to conventional bus or conventional EOL bus systems.
- LSN offers cost-effective security, in fact the larger the project, the higher the cost saving potential
- LSN loop technology is designed to provide stable voltage for connected devices, no matter the cable length (max. 1000 m) or battery voltage level. This simplifies cable configuration and calculation.

Read the full LSN brochure here:



Realize your safety concept without compromise

You can use the Modular Alarm Platform 5000 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.

Application examples



Example bank headquarter

EN Grade 3, 5x MAP5000 COM with Multi User Manager

- Managed connection to 24/7 managed control room via REST API (OII)
- 4000 detectors
- 2600 areas
- 95 MAP keypads



Example museum

EN Grade 3, MAP5000 COM

- Integrated IP alarm transmission
- 650 detectors
- 6 areas
- 8 MAP keypads



Example logistic center

EN Grade 3 and VdS class C, MAP5000

- Connection via API (OII) to the logistics centers own 24-hour manned alarm control center
- Installation of 4 MAP5000
- 3500 detectors
- 30 areas
- 40 MAP keypads



MAP5000 is compatible with a wide range of devices for every project requirement like: Glass break detectors, motion detectors, smoke detectors, door contacts and more.

Modular Alarm Platform 5000

System chart



Alarm Receiving Center (ARC)

VDS2465
Conettix IP
SIA DC09 IP

Remote Programming Software

RPS

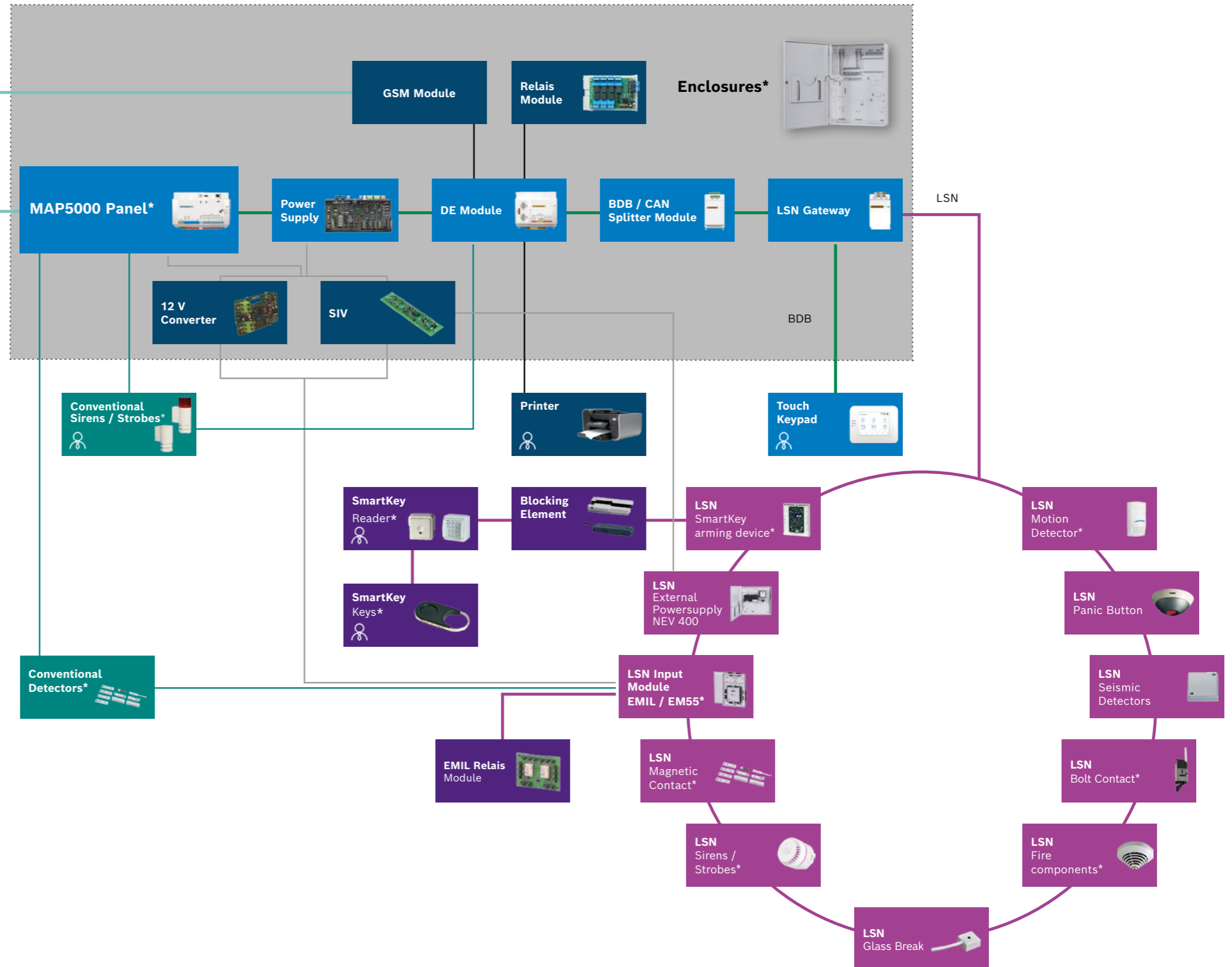
MAP5000 Multi User Manager

MUM

Integration & Management Systems
e. g. Genetec, Milestone

OII
(Open Intrusion Interface)

OPC



LEGEND

- Conventional outputs and inputs (EOL)
- BDB = Bosch Data BUS
- LSN = Local Security Network
- IP = Internet Protocol
- AUX Power Output
- System installer
- System user
- * More variations available

Let them in and keep them out.

Bosch helps you to keep your premises secure with access control and intrusion alarm solutions. Day and night.



Become an expert

We offer extensive training opportunities via the Bosch Building Technologies Academy, so you can become an expert yourself. Sign up and begin your training:

academy.boschsecurity.com



Contact us

If you would like to find out more, or want to know how we can help you with your intrusion alarm needs, please do not hesitate to contact us via **sales.ai@bosch.com** or check our website: **boschsecurity.com/intrusion**

Bosch Security and Safety Systems

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