ICP-MAP5000-CK Panel kit with IP communicator

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Invented for life

▶ Up to 32 multilingual control centers with touchscreen

▶ Supports up to 8 LSN improved modules with up to 127 devices each

▶ Supports additional power supply

▶ Supports up to 500 areas, 1500 addresses, and 996 users

▶ Communication with the monitoring station via an integrated IP communicator or via GSM

The MAP 5000 Kit COM is a MAP 5000 system, which is a scalable solution for medium-to-large applications. The system uses two isolated Bosch Data Buses (BDBs) based on Controller Area Network (CAN) technology, for maximum security and flexibility. The system can be armed and disarmed using Bosch SmartKey systems. Up to 32 multilingual control centers with touchscreen and intuitive user interface can be connected.
Eight LSN improved modules with up to 127 devices each are supported.
Alarm transmission uses the integrated communicator or the mobile network (GSM). The system can be fully integrated into a building management system like the Bosch Building Integration System (BIS) through internet protocol (IP).
The architecture expands easily to include new required intrusion or hold-up buttons.

Functions

MAP main panel with IP communicator
As a central control and display unit, the MAP main panel with IP communicator supports up to eight LSN gateways and up to 32 control centers and also has an integrated IP communicator.

MAP LSN improved module
An LSN ring or two LSN stubs with a maximum output current of 300 mA can be connected to the MAP LSN improved module. Up to 127 LSN elements are supported.

MAP interface module DE
The MAP interface module DE is the primary communication interface between the main panel and the communicator.

MAP power supply 150W
The MAP power supply and battery charger converts 240 V AC input to 24 and 28 V DC output. The device charges and monitors two 24 V DC battery sets with four 12 V batteries, with each pair connected in series.

MAP control panel enclosure mounting kit
The MAP panel enclosure kit contains one hinged mounting plate to hold the modules, one tamper switch, an enclosure lockset, and one 230 V terminal block.

MAP control center
The control center has a 14 cm LCD color display with touchscreen function. The touch screen offers access to system functions through an intuitive user interface. Users directly touch the images on the touchscreen to arm, disarm, or select other menu options. The language displayed is user-dependent.

Communication with Bosch Software Packages
The MAP system allows separate communication with Bosch BIS and RPS software packages.
- Bosch Parametrier-Software (RPS)
  Programming and diagnostic software for control panels that can be used for storing configurations, remote programming, remote control, and troubleshooting options.
- Bosch Building Integration System (BIS)
  The MAP system can report alarm and trouble events. The MAP user database of the Bosch Building Integration System (BIS) can be used to fully integrate the security system in the BIS application.[1]

[1] In the case of VdS systems, only feedback-free connection is possible as an information system using an exclusive transmission path

Parts included

Quantity	Component
1	MAP main panel with integrated IP communicator
1	MAP LSN improved module
1	MAP interface module DE
1	MAP power supply 150W
1	MAP control panel enclosure mounting kit
1	MAP control center
1	MAP serial cable
1	GSM / GPRS module
1	Literature, Installation Guide

Technical specifications

Electric

Primary supply voltage in V AC	100 – 230 (-10% – +10%)
Line frequency in Hz	47 – 63
Power consumption per power supply unit in W (up to 32 power supply units)	150
Operating voltage in V DC	9 – 30

Nominal voltage in V DC	28
Battery capacity per power supply unit in Ah (up to 32 power supply units)	80
Battery power in V DC	28
Backup time	Determined by battery capacity and system load

Mechanical

Dimensions

Control panel enclosure in cm (H x W x D)	65.8 x 44.3 x 19.35
Power enclosure in cm (H x W x D)	65.8 x 44.3 x 19.35
Expansion enclosure in cm (HxWxD)	43.6 x 44.3 x 11.2

Environmental Considerations

Operating temperature in ºC	-10 – 55
Storage temperature in ºC	-20 – 60
Operating and storage humidity in %	5 – 95 (non-condensing)
IP rating	IP 30, IK04
Environmental Class II:	EN 60950-1; EN 50130-4; EN 50131-1; VdS 2110
Use	Indoor

Specific system parameters

Maximum number of addresses	1500
Maximum number of areas	500[2]
Maximum number of LSN improved modules	8
Maximum number of MAP control centers	32
Maximum number of MAP power supplies 150 W	32
Maximum number of DR2020 printers	1
Maximum number of inputs	8 (plus 1 tamper switch input)
Maximum number of users	996
Maximum number of programmable location outputs on the LSN bus	1500

Number of outputs on the MAP main panel	2 power outputs 2 isolated contacts 1 auxiliary power
Number of outputs on the MAP interface module DE	3 supervised outputs 2 Open-collector outputs

[2] For VdS systems the number is limited to two areas if the MAP control centers are connected via the internal/external databus (BDB). Additional areas can be realized by connecting an additional control and display center for each area via the LSN bus.

Ordering information

ICP-MAP5000-CK Panel kit with IP communicator
A MAP 5000 system including 8 LSN improved modules which can be connected to up to 127 devices and 32 control centers. An IP communicator is integrated.
Order number **ICP-MAP5000-CK**