One-door access control kit for the RACS 5 v2 ST system. The kit comprises a metal enclosure with a power supply and a network access controller. MC16-PAC-ST-1-KIT enables the implementation of read-in/read-out access control for one door using RS485 (MCT series readers), RACS CLK/DTA (PRT series readers) or Wiegand readers.

**Features:**

- ME-40-24V metal enclosure
- MC16-PAC-ST-1 access controller
- 24 VDC/2.2 A power supply

| Ordering guide | |
|---|---|
| *Item* | *Description* |
| **MC16-PAC-ST-1-KIT** | Access control kit for 1 door; ME-40-24V metal enclosure; MC16-PAC-ST-1 networked access controller; power supply 24 VDC/2.2 A |

*roger*

# MC16-PAC-ST-1-KIT

MC16-PAC-ST-1-KIT
Components:
ME-40-24V Metal Enclosure

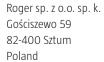*roger*
Intelligence for Building

The ME-40-24V enclosure is dedicated to RACS 5 modules and devices which require installation on DIN rail along with 17 Ah battery. The enclosure is equipped with single DIN rail, DC power supply 24 V/2.2 A, tamper contact and main fuse switch. Access to the internal space of the enclosure is protected by a door fixed by screws. Optionally, the door can be equipped with key lock. ME-40-24V is made from a metal sheet painted with an anthracite grey powder coating.

**Features:**

- metal enclosure for RACS 5 modules and devices
- DIN rail 396 mm
- power supply 24 VDC/2.2 A
- tamper contact
- main fuse switch 5 A
- space for 17 Ah battery
- RAL7016 colour powder coating
- internal dimensions: 398 × 358 × 100 mm (width × height × depth)
- CE mark
- protection grade IP20

| Ordering guide | |
|---|---|
| *Item* | *Description* |
| **ME-40-24V** | Metal enclosure with 1 DIN rail; power supply 24 V/2.2 A; space for 17 Ah battery; tamper; internal dim. (WHD): 398 × 358 × 100 mm |

*roger*

# MC16-PAC-ST-1-KIT

MC16-PAC-ST-1-KIT
Components:
MC16-PAC-ST-1 Controller

*roger*
Intelligence for Building

The MC16-PAC-ST is multi-door physical access and building automation controller dedicated to the ST version of the RACS 5 v2 system. Depending on the version, it allows to control up to 16 read-in/out doors. MC16 can register events for Time & Attendance and can be integrated with intruder alarm systems. The integration enables a presentation of alarm zone status on terminal LEDs and to change zone status straight from a terminal. MC16 offers advanced and efficient methods for the management of users and their authorizations in the system. Controllers are configured in parallel and their total number does not affect the total configuration time which usually is below 1 minute. Controllers are managed from VISO ST client-server Windows application operating with a centralized Microsoft SQL Server database. The system can be managed from multiple workstations by operators with various system rights. RACS 5 enables among others access to events and management of users. Communication between the PC and controller is fully encrypted using the AES128-CBC method and can be conducted either in LAN or WAN.

**MC16-PAC-ST Series Controllers Features:**

- 12 000 Access Credentials
- 8 Authentication Factors per Access Credential
- 100 Authorizations per Access Credential
- 16 read-in/out Access Doors
- 32 Access Points
- 64 Access Terminals (readers)
- 16 Access Zones
- 16 Alarm Zones
- 32 Automation Nodes
- 512 Authorizations
- 64 Rules within single Authorization
- 64 T&A Modes
- 16 Authentication Policies
- 4 steps within a single Authentication Policy
- 64 inputs (controller's mainboard, expanders, and terminals with I/Os)
- 64 outputs (controller's mainboard, expanders, and terminals with I/Os)
- 64 Function Keys
- 16 Global Commands
- Anti-passback and Timed anti-passback
- 32 Calendars
- 99 Periods within a single Calendar
- 250 Schedules
- 40 periods within a single Schedule
- 16 exceptions within a single Schedule
- direct operation with up to 16 MCT series terminals (RS 485 bus)
- operation with up to 16 OSDP terminals (OSDP v2 protocol) using MCI-3 interface
- direct operation with up to 4 PRT series terminals (RACS CLK/DTA bus)
- direct operation with up to 4 Wiegand terminals operation with PRT series and Wiegand terminals via MCX expanders
- 8 parametric EOL inputs onboard
- 6 transistors 15 V/150 mA outputs onboard
- 2 relay 30 V/1.5 A AC/DC outputs onboard
- 8 million event buffer on a memory card
- DC or AC supply
- backup battery charging and monitoring
- RACS CLK/DTA interface
- RS485 serial interface
- Ethernet interface
- AES128-CBC encrypted communication protocol
- quick configuration (below 1 minute)
- background configuration without a temporary system disabling the indoor environment
- built-in 12 VDC/1.0 A power supply unit
- dimensions: 72.0 x 175.0 x 30.0 mm (height x width x depth)
- CE mark

## MC16-PAC-ST Series Controllers Features:

| MC16-PAC-ST Versions | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Access doors | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Access points | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| Access terminals | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 | 52 | 56 | 60 | 64 |
| Access zones | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| Alarm zones | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| Power supplies | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| Automation nodes | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| Local commands | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| Inputs | 8 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 |
| Outputs | 8 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 | 52 | 56 | 60 | 64 |
| Function keys | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 | 104 | 112 | 120 | 128 |
| Access credentials | 12000 | | | | | | | | | | | | | | | |
| Access doors per access point | 1 | | | | | | | | | | | | | | | |

| Ordering guide | |
|---|---|
| Item | Description |
| **MC16-PAC-ST-1** | Access controller board; 1-door license |
| **MC16-PAC-ST-2** | Access controller board; 1-door license |
| **MC16-PAC-ST-3** | Access controller board; 1-door license |
| **MC16-PAC-ST-4** | Access controller board; 1-door license |
| **MC16-PAC-ST-5** | Access controller board; 1-door license |
| **MC16-PAC-ST-6** | Access controller board; 1-door license |
| **MC16-PAC-ST-7** | Access controller board; 1-door license |
| **MC16-PAC-ST-8** | Access controller board; 1-door license |
| **MC16-PAC-ST-9** | Access controller board; 1-door license |
| **MC16-PAC-ST-10** | Access controller board; 1-door license |
| **MC16-PAC-ST-11** | Access controller board; 1-door license |
| **MC16-PAC-ST-12** | Access controller board; 1-door license |
| **MC16-PAC-ST-13** | Access controller board; 1-door license |
| **MC16-PAC-ST-14** | Access controller board; 1-door license |
| **MC16-PAC-ST-15** | Access controller board; 1-door license |
| **MC16-PAC-ST-16** | Access controller board; 1-door license |
| **LIC-MC16-DWG** | Downgrade of MC16-PAC-ST controller licence to v1.6; single door licence |
| **MC16-PAC-ST-LIC-1** | 1-door license extension for MC16-PAC-ST access controller |

### Legal Notice

Roger sp. z o.o. sp. k.
Gościszewo 59
82-400 Sztum
Poland

**T.** +48 55 272 0132
**F.** +48 55 272 0133
**E.** roger@roger.pl
**I.**  www.roger.pl

**roger**