The MC16 is multi-door physical access and building automation controller dedicated to the RACS 5 system (Roger). Depending on the version, it allows to control up to 16 read-in/out doors and 32 automation nodes. MC16 can register events for Time & Attendance and can be integrated with intruder alarm systems. The integration enables to present 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 client-server Windows application operating with a centralized Microsoft SQL Server database or local Microsoft SQL Server Compact database. The system can be managed from multiple workstations by operators with various system rights. RACS 5 offers a software integration server which enables among others access to events and management of users. Communication between PC and controller is fully encrypted using AES-128-CBC method and can be conducted either in LAN or WAN.

Features:

- 8192 Access Credentials
- 8 Authentication Factors per Access Credential
- 100 Authorisations 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 Authorisations
- 64 Rules within single Authorisation
- 64 T&A Modes
- 16 Authentication Polices
- 4 steps within 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 single Calendar
- 250 Schedules
- 40 periods within single Schedule

- 16 exceptions within single Schedule
- direct operation with up to 16 MCT series terminals (RS 485 bus)
- 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 transistor 15 V/150 mA outputs onboard
- 2 relay 30 V/1.5 A AC/DC outputs onboard
- 8 million event buffer on 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 temporary system disabling
- 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 thickness)
- CE mark

Ordering guide	
Item	*Description*
MC16-PAC-1	Access controller board; 1-door license
MC16-PAC-2	Access controller board; 2-door license
MC16-PAC-3	Access controller board; 3-door license
MC16-PAC-4	Access controller board; 4-door license
MC16-PAC-N	Access controller board; N-door license (N=1-16)
MC16-PAC-LIC-1	1-door license extension for MC16 access controller

Legal Notice

roger