



Security and Access Control

roger[®]



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Security Equipment, Services

■ *Distribution network*



Object of activity

Roger company was established in 1991 and the object of its activity is design, production and sale of electronic security systems, in particular access control systems.

Quality

In the production of devices, we exclusively use components from reputable suppliers. Moreover, we regularly invest in improvement of design and production processes, thus our devices represent high level of functionality, design and reliability.

Distribution network

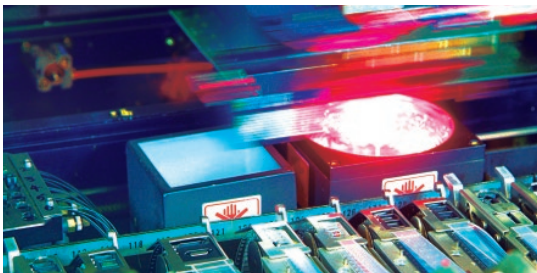
High reliability and functionality of our products confirmed in thousands of successful installations and quality to price ratio enabled to establish wide distribution network. Our products can be purchased within the whole territory of Poland, in 3 continents and over 40 countries. Our products serve hundreds of thousands of people in many prestigious locations worldwide, from Lisbon through Beirut to Singapore.



Access Control

Time & Attendance

Guard Tour System



Support

We provide free of charge technical support within the scope of our solutions. Our technical department provides professional support in selection and configuration of devices and software. Moreover, we offer trainings and workshops in order to promote proper installation, configuration and use of our products. We support our distributors with promotional materials for translation or direct use without any modifications.

Services

Some of the most recognized worldwide companies order our devices based on OEM terms.

RACS 5 Access Control System

Based on long-term experience gained in the process of design, development and use of access control systems, our company started the development of successor to the well recognized RACS 4 system. The result of these works is RACS 5, completely new, greenfield project of access control system.

The new system inherits all proven solutions from RACS 4 and at the same time introduces some new ideas and concepts. RACS 5 is based on MC series multiple door controllers and MCT series readers.

Some elements from RACS 4 system can be upgraded and used within RACS 5.

New improvements within RACS 5:

- Intuitive and modern graphical user interface (GUI)
- Desktop or networked software version
- SQL type database
- Visitor management
- Interface for integration with intruder alarm and building management systems
- Integration with CCTV systems
- Reduced configuration time
- IP/Ethernet secure communication



RCI Communication Interfaces

Gradually, Roger company introduces new family of RCI series communication interfaces including improved versions of currently available UT-2USB and UT-4 interfaces as well as completely new communication interface based on GSM/GPRS technology. All RCI series interfaces are offered in DIN 35mm rail plastic enclosures.

RCI-2 interface replaces previously available UT-2USB. Comparing with its predecessor RCI-2 offers optical isolation between RS485 and USB.

Read more on page 33.

RCI-4 interface replaces both UT-4 and UT-4DR interfaces and offers several improvements including AES128 CBC communication encryption.

RCI-6 interface is a GSM/GPRS interface which allows communication with access control system through mobile network and events reporting to digital monitoring station. Moreover, the interface offers remotely managed inputs and outputs.



QUADRUS Access Terminals

quadrus

The newly designed Quadrus series offers several devices dedicated to both RACS 4 and RACS 5 systems. Terminals are designed in accordance with popular current trends using esthetic similar to smartphones and tablets. EM 125 kHz and 13.56 MHz MIFARE® proximity readers equipped with sensor (touch) keypad are available within Quadrus series in white or black version.



Access Control



Access Controllers

The company offers two families of single door access controllers named: PRxx1 (e.g. PR311SE, PR611 etc.) and PRxx2 (e.g. PR622, PR402DR etc.). Both, PRxx1 and PRxx2 controllers can work autonomously in a standalone mode as well as in a networked access control system equipped with CPR network controller. Within each of these families there are devices integrated with a proximity reader and keypad (e.g. PR611, PR612) or requiring connection to external readers (e.g. PR411DR, PR402DR). The PRxx1 series controllers are dedicated to most common

access control functions. They are relatively simple and economical devices for systems with up to 1000 users. The PRxx2 controllers form a family of advanced access controllers capable of supporting up to 4000 users. The controllers of this series offer wide range of functions, not only strictly related to access control but also allowing for integration with alarm systems, automation and time & attendance functions. Controllers can be managed by means of free of charge PR Master software which offers API interface for integration.

Readers

The primary function of readers is to recognize identifier (card, PIN, fingerprint, etc.) and to transmit corresponding data to master device. Roger offer includes EM 125 kHz and 13.56 MIFARE® proximity readers as well as biometric ones. All PRT series readers (PRTxxLT, PRTxxEM, PRTxxMF) can be configured for operation in terminal mode as slave devices connected to external access controller.

Furthermore, PRTxxEM and PRTxxMF series readers can work in a standalone mode as autonomous access control points.

In the terminal mode reader offers possibility to work in various popular communication standards like Wiegand and Magstripe. This allows to use them either with native Roger controllers or other brands available on the market.

Code Locks

Electronic code locks are the most simple and cost effective way to implement electronic access control. There are two code locks categories in the Roger offer: SDC66 type locks working with proximity cards and SL2000 locks family working with PINs only.

In case of SDC66 lock, user identification is performed using EM 125 kHz tags. This product is extremely easy in installation and usage and it can be installed either by

electricians or DIY amateurs without experience in the field of security systems.

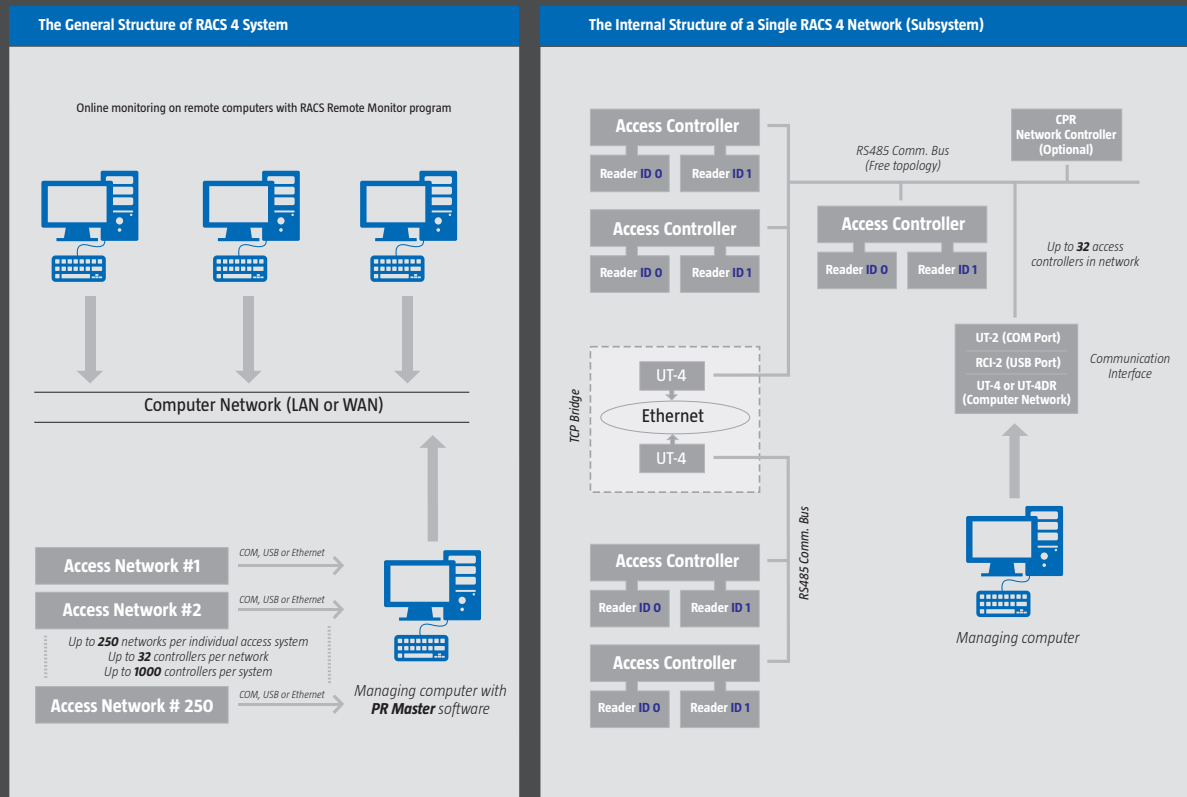
SL2000 locks identify users by PIN codes and offer possibility to program up to 55 different codes. In addition to access control they can be used to switch auxiliary device or system requiring on/off control e.g. alarm system.



The RACS 4 is a networked access control system based on single door access controllers, readers, communication interfaces, expanders, network controllers and managing software.

System functionality depends on the type of equipment used in particular installation. The RACS 4 can be divided into separate branches which are called access networks or subsystems. Up to 250 networks can be integrated into single access control installation. Each network may have up to 32 access controllers connected to RS485 communication bus and with distance up to 1200m.

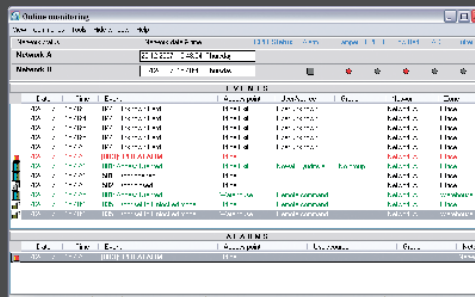
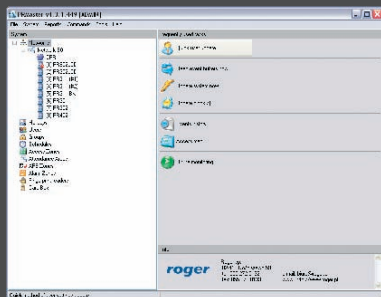
The PR Master software communicates with individual network through separate serial communication port (COM or USB) or through computer network (WAN or LAN). The RACS 4 is dedicated to small or middle size access installations and is capable to handle up to 1000 controllers and depending on PR series up to 4000 users (PRxx2) or 1000 users (PRxx1).





PR Master software is dedicated to management of RACS 4 system and offers following features:

- Support for all PRxx1 and PRxx2 access controllers
- Up to 32 controllers in single network
- Up to 250 networks integrated in one system
- Communication with networks through serial port (COM, USB) or computer network (LAN/WAN)
- Real-time events monitoring on local and remote computers
- RFT1000 user management
- Interactive commands to controllers
- Configurable events filters
- Online events reports to text files
- Event notifications via email
- Attendance reports for any user defined areas
- Time and attendance events export
- General integration with T&A, CCTV, Intruder Alarm, Fire Alarm, BMS
- Integration with Integra alarm system (Satel)
- Integration with Sallis wireless door locks system (Salto)
- Visualization of working system on graphical background (facility plans)
- Configurable auto-backup
- Program operators with different authorizations
- Paradox (BDE) database
- Export/import of database to XML format files
- OLE Automation SDK



Quick user update



Read event buffers now



Update system now



Update clock(s)



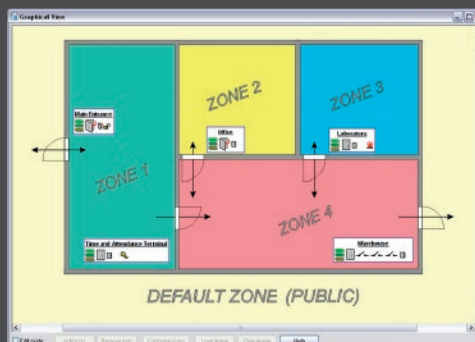
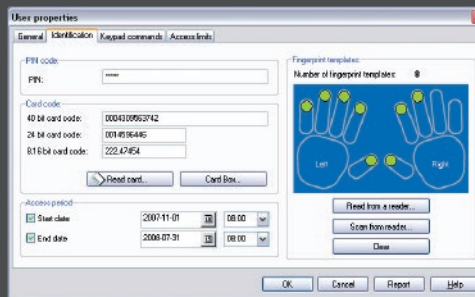
Events history



Access map



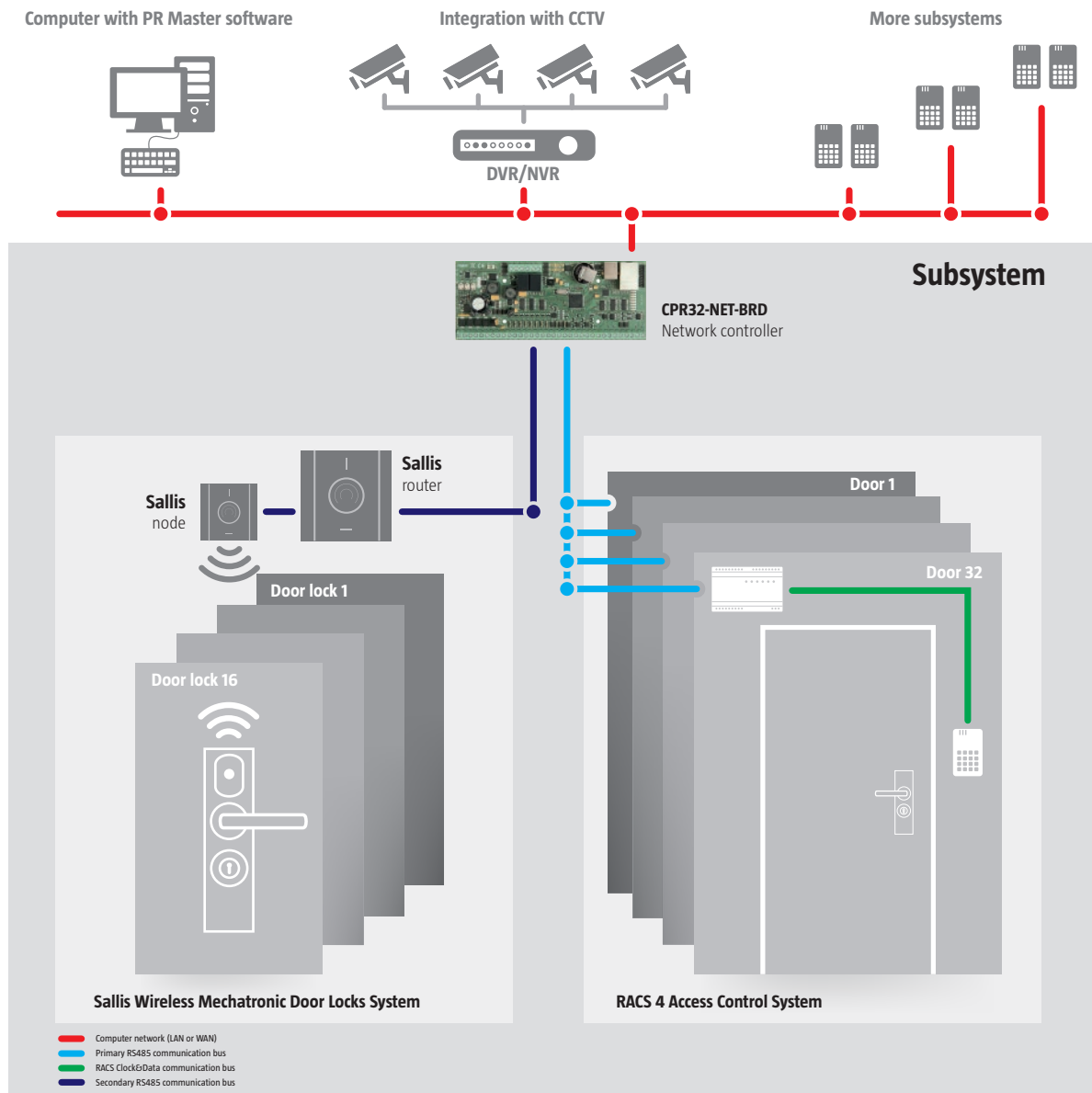
Online monitoring



Wireless Access Control System

CPR32-NET network controller enables operation with wireless door locks of **Sallis system made by Salto**. Operation with wireless door locks does not block the operation with PRxx1/PRxx2 series controllers and therefore subsystem based on CPR32-NET can include 32 units of PR series controllers (Roger) along with 16 wireless door locks (Salto).

Order guide	
Item	Description
RACS4-SAL-LIC-1	License extension for single Sallis door lock
RACS4-SAL-LIC-2	License extension for four Sallis door locks

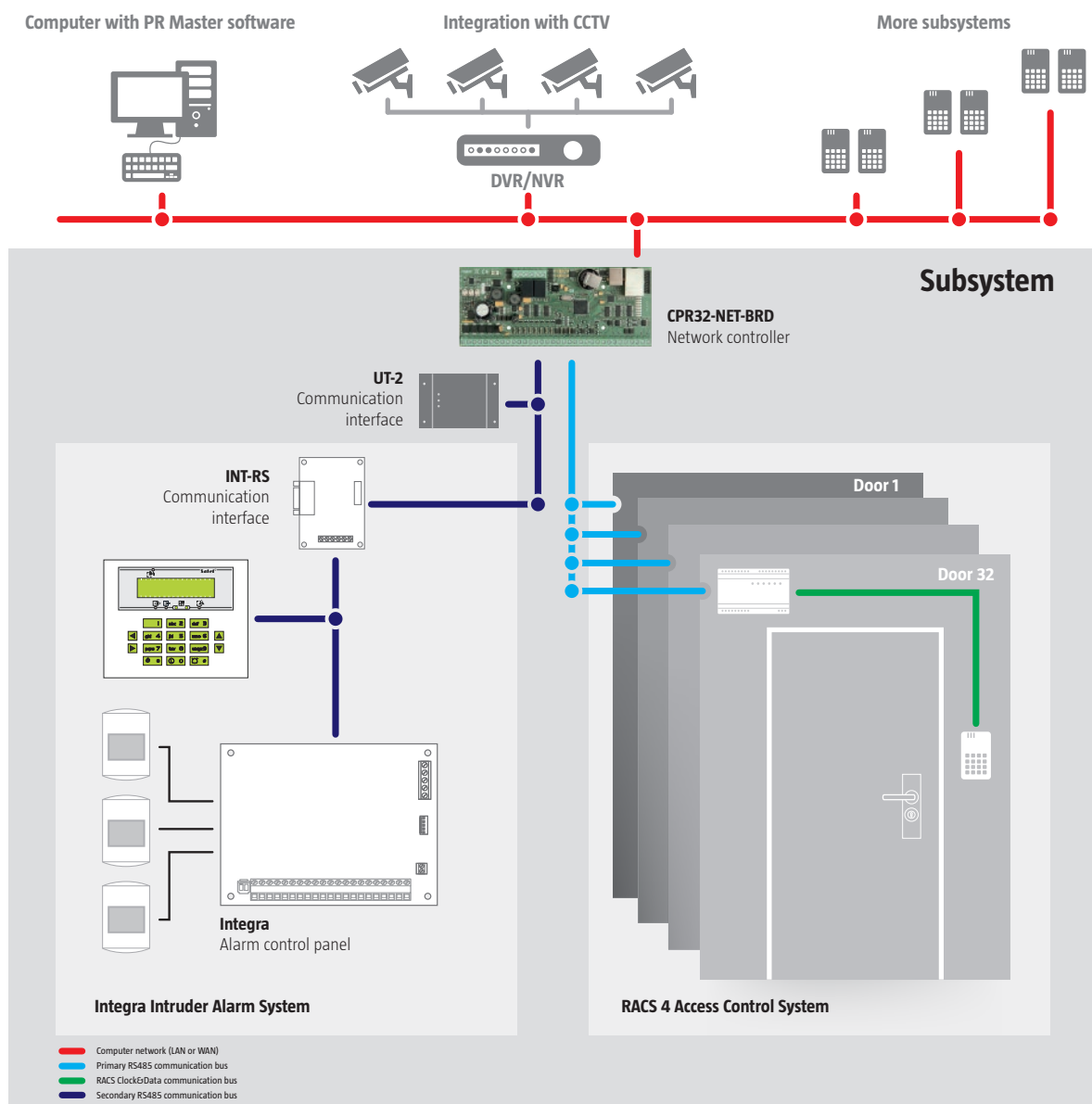


Intruder Alarm System

Integration between RACS 4 system and intruder alarm system can be realized by means of I/O connection or communication protocol. The first method can be achieved for any access controller and alarm panel while the second one requires the CPR32-NET network controller connected to Integra alarm panel.

The concept of integration used in RACS 4 enables alarm zones to be controlled from both systems: alarm and access control. The current state of alarm zones is presented on access terminals and can be changed straight from their front panels.

Order guide	
Item	Description
RACS4-INT-LIC-1	License extension for two Integra alarm zones
RACS4-INT-LIC-2	License extension for eight Integra alarm zones



Time & Attendance

RACS 4 can record movements of persons within access control system and such data can be further exported to Time & Attendance software. RACS 4 can export T&A data in general text or spread sheet formats as well as to RCP Master software (Roger).

Fire Alarm System

In systems equipped with CPR network controller it is possible to open all doors in corresponding network from CPR input. This function can be used in integration with fire alarm system which in case of danger can automatically unlock all doors controlled by access control system.

BMS

Regarding Building Management Systems (BMS), RACS 4 is integrated with InPro BMS (Ifter) and WinGuard (Advancis).

CCTV

RACS 4 enables video clip recording for operator selectable events. These clips can be viewed live or later whenever required.

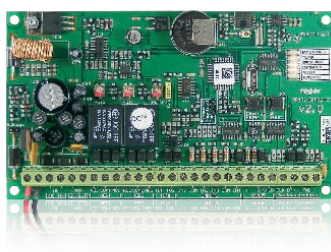
System can operate with following devices:

- DVR/NVR from **HIK Vision** and **Dahua**
- IP cameras equipped with memory card from **HIK Vision**
- Video capture card GV600/4 from **Geovision**



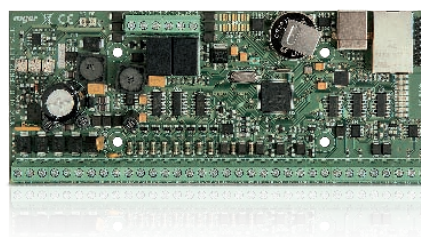
CPR network controllers are optional elements of RACS 4 system and can expand its functionality significantly. The scope of functional extensions depends on types of installed CPR and access controllers. The detailed description of functional extension provided by CPR is presented in

technical documentation of the product, nevertheless some of them can be viewed in comparison table below. PRxx1 series controllers provide neither events buffer nor time related functions therefore it is especially attractive to use CPR with them.



CPR32-SE-BRD

Network controller, electronic module version only.



CPR32-NET-BRD

NEW

Network controller, electronic module version only.

	CPR32-SE	CPR32-NET
Features		
Operation with up to 32 controllers of PRxx1 and/or PRxx2 series	+	+
Real time clock with backup battery	+	+
Schedules and calendars	+	+
Alarm Zones and Anti-passback Zones	+	+
Central event buffer	250K	250K
Event buffer on additional memory card (0.5GB or more)	—	33M
IP/Ethernet communication interface	—	+
Communication protocol encrypted with AES128CBC	—	+
Integration with Integra (Satel) series alarm control panels	—	+
Integration with Sallis (Salto) wireless door locks	—	+
NO/NC inputs	4	8
Transistor outputs 1A/15VDC	2	6
Relay outputs 1.5A/30V	2	2
Programmable inputs and outputs	+	+
Alarm event indication	+	+
RS485 communication port	1	2
Power supply	18VAC or 12VDC	18VAC, 12VDC or 24VDC
Power supply outputs: 1A/12VDC and 200mA/12VDC	+	+
Operation with backup battery	+	+
Firmware update	+	+
CE mark	+	+

The primary function of access controllers is making decisions on door lock release. Functioning and decisions are based on configuration saved within controller internal memory. The controller decision concern access granting, schedules, armed/disarmed modes, alarm condition signalling, etc.

Following series of single door access controllers are available:

- **PRxx1 – standard access controllers** dedicated to most popular access control functions.
- **PRxx2 – advanced access controllers** supporting extended range of functions including integration with time & attendance, intruder alarm systems, CCTV and automation functions.

Both PRxx1 and PRxx2 controllers can work autonomously in a standalone mode as well as in a networked access control system equipped with CPR network controller.

In standalone mode **PRxx1 controllers** do not offer time schedules nor event recording however when operating in system equipped with CPR network controller both mentioned features become available. When communication with CPR is interrupted, controllers automatically switch to standalone mode and provide access control based on their internal settings.

In standalone mode **PRxx2 controllers** autonomously provide read in/out door control and do not need to communicate with PC or any other equipment. In such case all events are registered in their internal buffer and time related functions are managed by built-in real time clock. In such mode connection to PC is necessary only for configuration and events download or for online monitoring of events and alarms. When working in integrated access control system PRxx2 controllers continuously communicate with CPR which collects events from access control system and records them in its internal buffer. CPR is also responsible for all global-type functions (e.g. anti-passback zones, alarm zones). In case of communication failure PRxx2 controllers switch to standalone mode and provide access control based on their settings, however without global type functions. In such case events are recorded in their internal buffers.

All PR access controllers are equipped with RS485 interface which can be use for both programming and online communication in networked system. Access control system based on controllers from both series can be managed locally through COM or USB serial port as well as remotely by computer network WAN/LAN.



General features	PRxx1 standard controllers		PRxx2 advanced controllers		
	PR311SE, PR611, PR621	PR411DR	PR612, PR622, PR602LCD	PR102DR	PR402DR
12VDC supply	+	+	+	+	+
24VDC, 18VAC supply	-	+	-	-	+ except for PR402DR-12VDC
Built-in EM 125 kHz proximity reader	+	-	+	-	-
Buzzer	+	-	+	-	-
Keypad	+ except for PR621	-	+ except for PR622	-	-
DIN rail 35mm enclosure	-	+	-	+	+
Outdoor operation	+	-	+ except for PR602LCD-I	-	-
Programmable inputs/outputs	3/3	8/4	3/3	2/2	8/4
First relay output	1.5A/30V	1.5A/30V	1.5A/30V	1.5A/30V	1.5A/30V
Second relay output	-	5A 30V or 230VAC	-	-	5A 30V or 230VAC
Tamper	+	-	+	-	-
Programmed manually	+	+ reader with keypad required	-	-	-
Programmed from PC	+	+	+	+	+
CE mark	+	+	+	+	+
Communication					
RS485	+	+	+	+	+
RACS Clock&Data	+	+	+	+	+
Wiegand 26..66bit	-	+	PR602LCD only	-	+
Magstripe	-	-	PR602LCD only	-	+
Operation with RFT1000	+	+	+	+	+
Operation with long range readers	-	+	PR602LCD only	-	+
Functionality					
Number of users	1K	1K	4K	4K	4K
Built-in event buffer	-	-	32K	32K	32K
Event buffer in network equipped with CPR32-NET	33M	33M	33M	33M	33M
Real time clock with battery backup	+ CPR required	+ CPR required	+	+	+
User groups	+	+	+	+	+
Access zones	+	+	+	+	+
Schedules	+ CPR required	+ CPR required	+	+	+
Access control in elevators	-	-	+ XM-8 required	+ XM-8 required	+ XM-8 required
Local APB	+	+	+	+	+
Global APB (CPR required)	+	+	+	+	+
Interlocking	+	+	+	+	+
Advanced access options: two users mode, conditional access, high security mode	-	-	+	+	+
Hotel options	+	+	-	-	-
Operation with turnstiles	+ XM-2 recommended	+	+ XM-2 recommended	+ XM-2 recommended	+
Operation with barriers	+	+	+	+	+
Random user inspection	-	-	+	+	+
Integration					
Integration with T&A system (RCP Master)	-	-	+	+	+
Integration with intruder alarm system	+	+	+	+	+
Integration with CCTV system (CCTV-DVR)	+	+	+	+	+

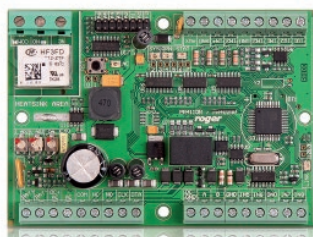


PR311SE

Access controller with built-in EM 125 kHz proximity reader.

Order guide

Item	Description
PR311SE-G	Dark grey enclosure, keypad
PR311SE-BK-G	Dark grey enclosure, without keypad
PR311SE-L	Light grey enclosure, keypad
PR311SE-BK-L	Light grey enclosure, without keypad
PR311SE-G-B	Dark grey enclosure, keypad with blue backlight



PR411DR

Access controller.

Order guide

Item	Description
PR411DR	Electronic module in DIN rail 35mm enclosure
PR411DR-BRD	Electronic module only
PR411DR-SET	Access control set: access controller, power transformer, metal enclosure <i>read more on page 22</i>

radius



PR611

Access controller with built-in EM 125 kHz proximity reader and keypad.

Order guide	
Item	Description
PR611-G	Dark grey enclosure
PR611-S	Silver-metallic enclosure
PR611-VP	Silver-metallic enclosure, top part of controller enclosure and keys made from aluminium alloy



PR621

Access controller with built-in EM 125 kHz proximity reader.

Order guide	
Item	Description
PR621-G	Dark grey enclosure
PR621-W	White enclosure
PR621-S	Silver-metallic enclosure
PR621-CH	Silver-metallic enclosure with card holder, hotel version firmware



PR102DR
Access controller.

Order guide

Item	Description
PR102DR	Electronic module in DIN rail 35mm enclosure
PR102DR-BRD	Electronic module only



PR402DR
Access controller.

Order guide

Item	Description
PR402DR	Electronic module in DIN rail 35mm enclosure
PR402DR-BRD	Electronic module only
PR402DR-SET	Access control set: access controller, power transformer, metal enclosure <i>read more on page 22</i>
PR402DR-12VDC	Electronic module in DIN rail 35mm enclosure, 12VDC supply
NEW	
PR402DR-12VDC-BRD	Electronic module only, 12VDC supply
NEW	



PR602LCD

Access controller with built-in EM 125 kHz proximity reader, keypad and LCD display.

Order guide

Item	Description
PR602LCD-I	Indoor version, screw terminals
PR602LCD-O	Outdoor version, 0.5 m connecting cable

radius



PR612

Access controller with built-in EM 125 kHz proximity reader and keypad.

Order guide

Item	Description
PR612-G	Dark grey enclosure
PR612-S	Silver-metallic enclosure



PR622

Access controller with built-in EM 125 kHz proximity reader.

Order guide

Item	Description
PR622-G	Dark grey enclosure
PR622-W	White enclosure
PR622-S	Silver-metallic enclosure

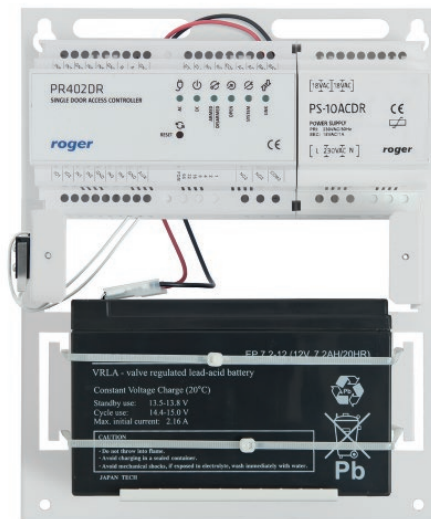


PR411DR-SET and PR402DR-SET consist of access controller and mains transformer which are factory installed inside metal enclosure with a space for 7Ah/12V backup battery. The enclosure is equipped with tamper switch and LED status window.

Each set is dedicated to single door access control point with one or two readers. Both sets can operate with Roger readers or third party access terminals equipped with Wiegand interface.

Set includes:

- Access controller
- Mains transformer
- Metal enclosure
- Mounting accessories



The battery shown in the photo is not included in the set.

PR411DR-SET, PR402DR-SET

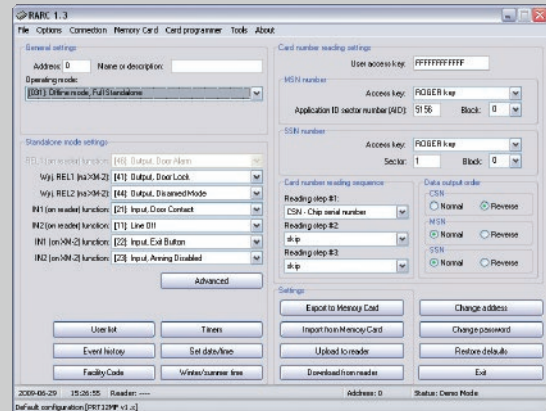
Order guide	
Item	Description
PR411DR-SET	Access control set with PR411DR access controller and PS-10ACDR mains transformer factory pre-installed in ME-4 metal enclosure
PR402DR-SET	Access control set with PR402DR access controller and PS-10ACDR mains transformer factory pre-installed in ME-4 metal enclosure

RARC software is used for management of PRTxxEM and PRTxxMF series readers. Program enables reader configuration as well as downloading of events from reader memory. RARC software enables also use of PRTxxEM and PRTxxMF series readers in proximity cards programming. Program can be downloaded from www.roger.pl



Features:

- Support for all the PRTxxEM/PRTxxMF series readers
- 13.56 MHz ISO 14443A and MIFARE® cards programming
- EM 125 kHz Q5 cards programming
- Complete configuration of reader
- Events downloading and viewing
- User management
- Saving/loading of reader configuration to/from external file
- Communication through RS232 interface (requires TXD, RXD and RTS lines) or USB (requires RUD-1 interface)



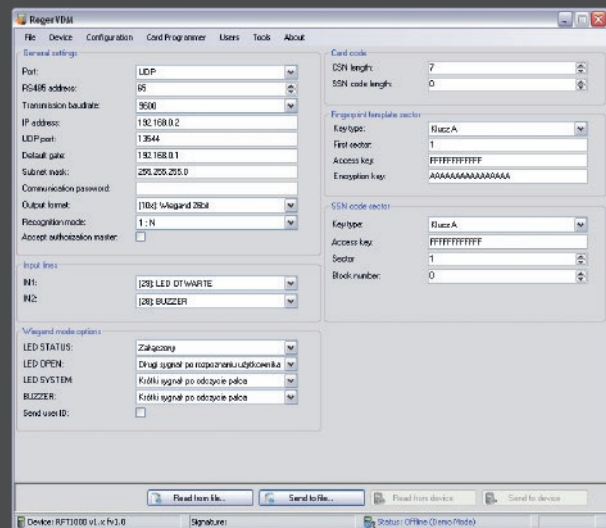
NEW

RogerVDM application is an utility program for low level configuration of Roger devices. Basically the software is intended to be used in preliminary phase of system configuration, when some low level settings must be entered and device must be adapted to conditions of particular installation. The software is distributed free of charge and can be downloaded from www.roger.pl. The application requires 32bit or 64bit Windows XP, Vista, 7 or 8 and .NET Framework 4.0 extended.



List of currently operated devices:

- RFT1000 fingerprint reader
- PS-30DR power supply unit
- RUD-2, RUD-3 USB readers
- MC16 multi-door access controller
- PRT82MF MIFARE® reader
- MCT82M MIFARE® reader



The primary function of proximity readers is to read card number (and/or PIN) and transmit data to host device which makes final decision on system reaction.

Following series of proximity readers are available:

- PRTxxLT – EM 125 kHz readers
- PRTxxEM - EM 125 kHz readers
- PRTxxMF - 13.56 MHz MIFARE® readers

Devices within the same series are functionally identical and their only differences concern indoor/outdoor use, mechanical construction and enclosure design.

All PRT series readers (PRTxxLT, PRTxxEM, PRTxxMF) can be configured for operation in terminal mode as slave devices connected to external access controller. Furthermore, PRTxxEM and PRTxxMF series readers can work in a standalone mode as autonomous access control points.

In terminal mode the readers offer possibility to work in many common communication standards (e.g. Wiegand, Magstripe). Therefore they can cooperate not only with Roger controllers but also with majority of controllers from different vendors available on the market.

In standalone mode PRTxxEM and PRTxxMF readers can independently supervise a single door using data entered in the process of their configuration. Readers from both series are equipped with programmable input and output lines. They can also cooperate with XM-2 type I/O expander which provides two relay outputs and two NO/NC inputs. Using an XM-2 expander substantially improves general security level, because it physically separates a decision point (reader) from the relay output which triggers door lock.

PRTxxEM and PRTxxMF readers can be used as proximity card programmers if RARC software is applied.



PRT12xx

DOMINO



	PRT12LT	PRT12EM	PRT12MF
General features			
12VDC supply	+	+	+
Authentication	Card and/or PIN	Card and/or PIN	Card and/or PIN
Cards	EM 125 kHz	EM 125 kHz	13.56 MHz MIFARE®
Card readout	CSN	CSN	CSN, MSN and SSN
Card programming	–	+	+
Outdoor installation	+	+	+
LED/buzzer control inputs in Wiegand/Magstripe modes	+	+	+
Programmed manually or from PC	–	+	+
Screw terminals	–	–	–
Connecting cable	+	+	+
Tamper	+	+	+
CE mark	+	+	+
Data output formats			
Wiegand 26..66bit	+	+	+
Magstripe	+	+	+
RS232	–	+	+
RACS Clock&Data (Roger)	+	+	+
Transmission of PIN codes	+	+	+
Standalone operation			
Number of users	–	120	120
Event log	–	1024	1024
Relay output 1.5A/30V	–	+	–
NO/NC inputs	–	2	2
Transistor outputs	–	2	2
Operation with XM-2 I/O extension module	–	+	+
Operation with external PRT series reader (read in and out control)	–	+	+
Available versions			
	Items		
Dark grey enclosure, keypad	PRT12LT-G	PRT12EM-G	PRT12MF-G
Dark grey enclosure, without keypad	PRT12LT-BK-G	PRT12EM-BK-G	PRT12MF-BK-G
Light grey enclosure, keypad	PRT12LT-L	PRT12EM-L	PRT12MF-L
Light grey enclosure, without keypad	PRT12LT-BK-L	PRT12EM-BK-L	PRT12MF-BK-L
Dark grey enclosure, blue keypad backlight	PRT12LT-G-B	PRT12EM-G-B	–

CSN - Chip serial number
 MSN - MAD sector number
 SSN - Sector serial number

PRT42xx



DOMINO



PRT62xx



radius

	PRT42LT	PRT42EM	PRT62LT	PRT62EM	PRT62MF
General features					
12VDC supply	+	+	+	+	+
Authentication	Card and/or PIN	Card and/or PIN	Card	Card	Card
Cards	EM 125 kHz	EM 125 kHz	EM 125 kHz	EM 125 kHz	13.56 MHz MIFARE®
Card readout	CSN	CSN	CSN	CSN	CSN, MSN and SSN
Card programming	-	+	-	+	+
Outdoor installation	-	-	+	+	+
LED/buzzer control inputs in Wiegand/Magstripe modes	+	+	+	+	+
Programmed manually or from PC	-	+	-	+	+
Screw terminals	+	+	-	-	-
Connecting cable	-	-	+	+	+
Tamper	+	+	+	+	+
CE mark	+	+	+	+	+
Data output formats					
Wiegand 26..66bit	+	+	+	+	+
Magstripe	+	+	+	+	+
RS232	-	+	-	+	+
RACS Clock&Data (Roger)	+	+	+	+	+
Transmission of PIN codes	+	+	+	+	+
Standalone operation					
Number of users	-	120	-	120	120
Event log	-	1024	-	1024	1024
Relay output 1.5A/30V	-	+	-	+	-
NO/NC inputs	-	2	-	2	2
Transistor outputs	-	2	-	2	2
Operation with XM-2 I/O extension module	-	+	-	+	+
Operation with external PRT series reader (read in and out control)	-	+	-	+	+
Available versions					
	Items				
Black enclosure, keypad	PRT42LT-B	PRT42EM-B	-	-	-
Light grey enclosure, keypad	PRT42LT-L	PRT42EM-L	-	-	-
Black enclosure, without keypad	PRT42LT-BK-B	PRT42EM-BK-B	-	-	-
Dark grey enclosure, without keypad	-	-	PRT62LT-G	PRT62EM-G	PRT62MF-G
Light grey enclosure, without keypad	PRT42LT-BK-L	PRT42EM-BK-L	PRT62LT-L	PRT62EM-L	PRT62MF-L
Silver-metallic enclosure, without keypad	-	-	PRT62LT-S	PRT62EM-S	PRT62MF-S

CSN - Chip serial number
 MSN - MAD sector number
 SSN - Sector serial number

PRT64xx

radius



	PRT64LT	PRT64EM	PRT64MF
General features			
12VDC supply	+	+	+
Authentication	Card and/or PIN	Card and/or PIN	Card and/or PIN
Cards	EM 125 kHz	EM 125 kHz	13.56 MHz MIFARE®
Card readout	CSN	CSN	CSN, MSN and SSN
Card programming	–	+	+
Outdoor installation	+	+	+
LED/buzzer control inputs in Wiegand/Magstripe modes	+	+	+
Programmed manually or from PC	–	+	+
Screw terminals	+	+	+
Connecting cable	–	+ (only in VP version)	–
Tamper	+	+	+
CE mark	+	+	+
Data output formats			
Wiegand 26..66bit	+	+	+
Magstripe	+	+	+
RS232	–	+	+
RACS Clock&Data (Roger)	+	+	+
Transmission of PIN codes	+	+	+
Standalone operation			
Number of users	–	120	120
Event log	–	1024	1024
Relay output 1.5A/30V	–	+	+
NO/NC inputs	–	2	2
Transistor outputs	–	2	2
Operation with XM-2 I/O extension module	–	+	+
Operation with external PRT series reader (read in and out control)	–	+	+
Available versions			
	Items		
Dark grey enclosure, keypad	PRT64LT-G	PRT64EM-G	PRT64MF-G
Silver-metallic enclosure, keypad	PRT64LT-S	PRT64EM-S	PRT64MF-S
Silver-metallic enclosure, top part of reader enclosure and keys made with aluminium alloy and covered with silver-metallic coat	–	PRT64EM-VP	–

CSN - Chip serial number
 MSN - MAD sector number
 SSN - Sector serial number

PRT66xx

radius



	PRT66LT	PRT66EM	PRT66MF
General features			
12VDC supply	+	+	+
Authentication	Card	Card	Card
Cards	EM 125 kHz	EM 125 kHz	13.56 MHz MIFARE®
Card readout	CSN	CSN	CSN, MSN and SSN
Card programming	–	+	+
Outdoor installation	+	+	+
LED/buzzer control inputs in Wiegand/Magstripe modes	+	+	+
Programmed manually or from PC	–	+	+
Screw terminals	+	+	+
Connecting cable	–	–	–
Tamper	+	+	+
CE mark	+	+	+
Data output formats			
Wiegand 26..66bit	+	+	+
Magstripe	+	+	+
RS232	–	+	+
RACS Clock&Data (Roger)	+	+	+
Transmission of PIN codes	+	+	+
Standalone operation			
Number of users	–	120	120
Event log	–	1024	1024
Relay output 1.5A/30V	–	+	+
NO/NC inputs	–	2	2
Transistor outputs	–	2	2
Operation with XM-2 I/O extension module	–	+	+
Operation with external PRT series reader (read in and out control)	–	+	+
Available versions			
	Items		
Dark grey enclosure	PRT66LT-G	PRT66EM-G	PRT66MF-G
White enclosure	PRT66LT-W	PRT66EM-W	PRT66MF-W
Silver-metallic enclosure	PRT66LT-S	PRT66EM-S	PRT66MF-S

CSN - Chip serial number
 MSN - MAD sector number
 SSN - Sector serial number

Administrator Readers

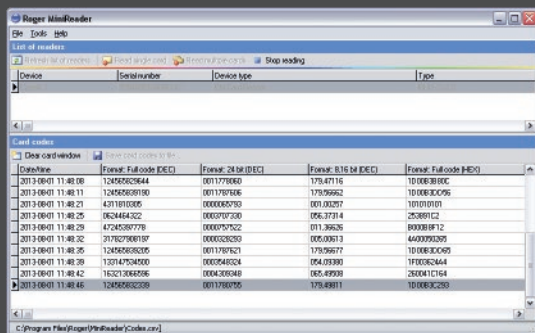
radius



RUD-2, RUD-3

Miniature, portable proximity reader, supplied from USB port which is also used for communication. The readers can work with Roger MiniReader, RARC or RACS management software as so called administrator reader.

Order guide	
Item	Description
RUD-2	EM 125 kHz USB reader
RUD-3	13.56 MHz ISO/IEC14443A and MIFARE® USB reader/writer



Roger MiniReader application enables to read proximity tags by means of RUD-2 and RUD-3 readers. Card numbers can be saved to a text file (CSV format) or automatically copied to Windows OS clipboard, in order to enable easy transfer to third party applications.

Support for RUD-2 and RUD-3 readers can also be implemented in other programs by using dynamic library DLL. In such case, application of reader depends on author of third party software.

Biometric Reader

radius



RFT1000

NEW

RFT1000 is biometric fingerprint reader equipped with high quality optical scanner and ISO/IEC 14443A and MIFARE® proximity reader. Users can be recognized by comparison of their fingerprints with fingerprint templates recorded in reader's memory (1:N mode) or with fingerprint templates stored on MIFARE® card (1:1 mode). The reader can store up to 1900 fingerprint templates and still enable relatively quick recognition of users. If 1:1 mode is applied then the third (the highest) recognition class is ensured and some legal regulation regarding privacy are met.

The reader can be connected to access controllers equipped with RACS Clock&Data interface (Roger) or other controllers communicating in Wiegand format. The communication with RFT1000 reader is encrypted by means of AES128 CBC standard which guarantees high resistance to unauthorized decryption. Configuration and management of fingerprint templates can be conducted by means of RogerVDM utility program or RACS management software.

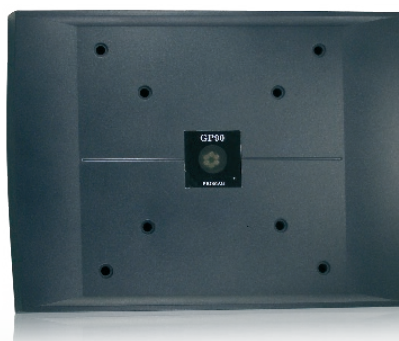
NOTICE! Before using the fingerprint reader you need to verify whether the application of the device under particular conditions is consistent with applicable law.

Long Range Readers



GP60

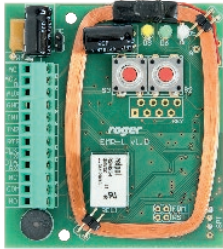
Outdoor EM 125 kHz card reader. Up to 60 cm reading range can be achieved when using EMC-3 cards. Reader is equipped with RS232, RS485, Wiegand26 and Magstripe (clock & data) output formats.



GP90

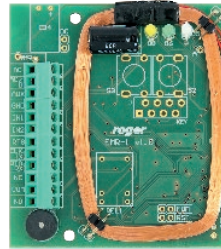
Outdoor EM 125 kHz card reader. Up to 120 cm reading range can be achieved when using EMC-3 cards. Reader is equipped with RS232, RS485, Wiegand26 and Magstripe (clock & data) output formats.

EM 125 kHz Reader Modules



EMR-1-SDC

Proximity reader module for installation in third party equipment. Module offers the same functionality as SDC66 electronic lock.



EMR-1-LT

Proximity reader module for installation in third party equipment. Module offers the same functionality as PRTxxLT series readers.

Offset Overprint

Proximity cards with high quality colour overprint without personalization. Each inquiry related to this type of printing is considered individually. You can find more information at www.roger.pl.



Communication Interfaces

Communication interfaces are required for transmission of data between computer and access control system or programmed device.



RUD-1

RUD-1 is an universal, portable communication interface dedicated to Roger access control devices. Product is designed for installers, who use laptops for configuration and management of Roger access controllers and readers. RUD-1 is powered straight from the USB port and has built-in supply module which provides 12V voltage for programmed device.

RUD-1 can be used for:

- Communication with RACS 4 access control system
- Configuration of PR series access controllers
- Configuration of PRTxxEM and PRTxxMF series readers
- In other applications as USB to RS485 converter



UT-4DR

UT-4DR interface enables communication with RACS 4 access control system by means of 10/100 Base-T(X) Ethernet. Apart from it, UT-4DR offers four I/O lines which can be used as dual state inputs or outputs and controlled via web browser or TELNET protocol. Therefore, UT-4DR can be used in third party applications as PC controlled, remote I/O port.

Features:

- IP/Ethernet communication interface for RACS 4 system
- Configuration by means of web browser
- LAN/WAN 100/10Mbit/s operation
- Static or dynamic IP address
- 4 general purpose I/O lines
- DIN 35mm enclosure



UT-2

RS232-RS485 communication interface in plastic enclosure dedicated to installation on flat surface.



UT-4

RS232/RS485/RS422 – Ethernet communication interface in plastic enclosure dedicated to installation on flat surface.



RCI-2

NEW

RCI-2 enables communication of computer equipped with USB port and devices equipped with RS485 port. Basically, RCI-2 communication interface is designed for installation in RACS 4 system but it can also be used in third party applications as it operates as virtual serial port enabling communication with devices equipped with RS485 port. Due to built-in galvanic isolation, RCI-2 separates electrically the computer and devices connected to RS485 terminals, therefore equalizing current flow between ground terminals of power supply circuits is prevented.

Expanders



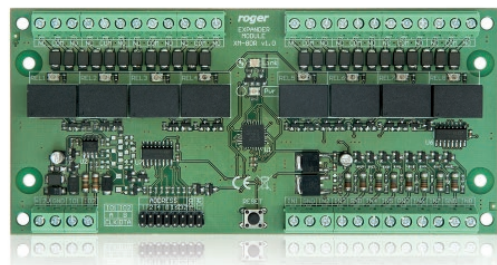
XM-2DR

Addressable input/output expander with two NO/NC inputs and two relay outputs (1.5A/30V and 5A/30VDC/230VAC), DIN 35mm plastic enclosure. Operates with PRxx1 and PRxx2 access controllers.



XM-2DR-BRD

Electronic module of XM-2DR.



XM-8DR-BRD

Addressable input/output expander, eight NO/NC inputs and eight relay outputs 1.5A/30V. Operates with PRxx2 access controllers as elevator interface.



EMC-1

EM 125 kHz ISO size thin PVC proximity card, photo ID pictures and text printing possible with dedicated PVC printers.



EMC-2

EM 125 kHz ISO size thick (Clamshell) proximity card with printed number.



EMC-3

EM 125 kHz ISO size thick (Clamshell) proximity card with printed number, extended reading range.

EM 125 kHz UNIQUE



EMC-4

EM 125 kHz ISO size thin PVC proximity card with Q5 chip, EEPROM 264 bits, the card number (CSN) can be programmed by any PRTxxEM series readers running under RARC software (Windows), card can be used with PVC printers, photo ID pictures and text printing possible.



EMKF-1

EM 125 kHz key fob, reading range reduced by approx. 50% comparing to proximity card.



MFC-1

13.56 MHz MIFARE Ultralight® ISO size thin PVC card with printed number, photo ID pictures and text printing possible with dedicated PVC printers.



MFC-2

13.56 MHz MIFARE® Classic 1K ISO size thin PVC card with printed number, photo ID pictures and text printing possible with dedicated PVC printers.



MFC-3

13.56 MHz MIFARE® Classic 4K ISO size thin PVC card with printed number, photo ID pictures and text printing possible with dedicated PVC printers.

13.56 MHz MIFARE®



MFKF-1

13.56 MHz MIFARE Ultralight® key fob.



MFKF-2

13.56 MHz MIFARE® Classic 1K key fob.



MFKF-3

13.56 MHz MIFARE® Classic 4K key fob.



CP-1

ISO size card holder made of transparent plastic, horizontal use.



CP-2

ISO size card holder made of transparent plastic with enhanced durability, horizontal use.



CP-3

ISO size card holder made of transparent plastic with enhanced durability, vertical use.



CH-1

ISO size card holder made of transparent plastic with enhanced durability horizontal and vertical use.



BC-1

Metal clip for badge, with plastic band and snap fastener.



NC-1

Neck chain for badge, metallic finish, 91cm length.



NL-1

Lanyard, 80cm length, 1.5 cm width, detachable clip.



NL-2

Lanyard with Roger logo, 80cm length, 1.5 cm width, detachable clip.



ME-1

Metal enclosure equipped with 40VA transformer, tamper contact and DIN 35mm rail. Devices can be installed on DIN rail or attached straight to enclosure's rear, ML-1 mechanic lock optionally available.

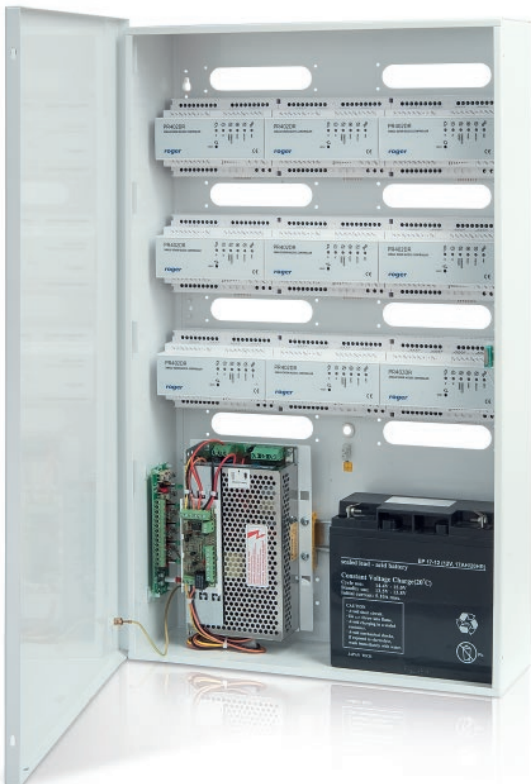
Module and battery shown in the photo are not included in the ME-1.



ME-2-S

Metal enclosure equipped with 80VA transformer, ML-1 mechanic lock and factory installed shelves for electronic modules.

Modules and battery shown in the photo are not included in the ME-2-S.



ME-5

NEW

Metal enclosure with four DIN 35 mm rails, tamper contact, space for 17Ah backup battery. Power supply 11A unit and voltage distributor available in ME-5-S version. The enclosure can contain 9 units of PR402DR-12VDC or 18 units of PR102DR access controllers, ML-1 mechanic lock optionally available.

Controllers, power supply and battery shown in the photo are not included in the ME-5.

Order guide	
Item	Description
ME-5	Metal enclosure
ME-5-S	Metal enclosure with 13.8VDC/11A power supply unit and voltage distributor



ASCD-1

Outdoor LED matrix display with clock. ASCD-1 can display time, date and temperature. Time and date can be sourced from RACS access control system or from internal RTC clock (standalone mode), built in temperature sensor.



EP 7-12

Battery 7Ah/12V.



AX-1

Metal spacer used between plastic enclosure and rough surfaces. Dedicated to PR311xx access controllers and PRT12xx readers.



AX-2

Plastic support for the device installed on the glass surface (e.g. shop window). Dedicated to PR62x access controllers and PRT66xx readers.

Reader/controller shown in the photo is not included with the AX-2.



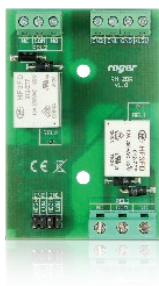
ML-1

Mechanical lock for ME-1 and ME-5 metal enclosures.



RM-2DR

Relay module with two 5A/230VAC/30VDC outputs. Both relays are controlled from signal inputs, DIN 35mm rail plastic enclosure.



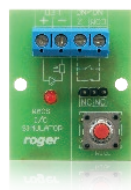
RM-2DR-BRD

RM-2DR electronic module.



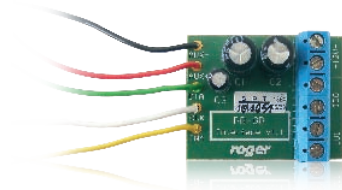
KWS1K

Screw bit for SL2000S1K code lock.



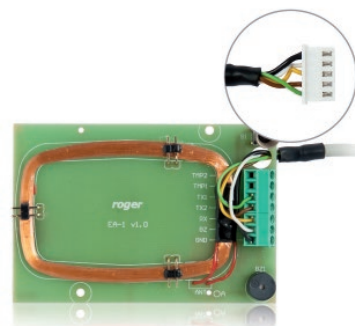
IOS-1

I/O simulator that allows simulation of input signals (door contact, exit button etc.) and visualization of output signals (door lock, alarm signaling, current arming mode etc.).



PR-GP-BRD

Adaptor module used for connection of GP60, GP90 and other third-party readers to PRxx2 series controllers.



EA-1

External loop antenna module for SDC66 electronic lock, 1.5 m connection cable.

Proximity Card Lock

SDC66 lock allows to implement simple electronic access control mechanism in which users are identified by proximity tags. The lock can be utilized in areas, where it is necessary to limit access to authorized users, and free them from necessity to carry multiple traditional keys.

SDC66 can be installed both by professional electrician-installers, and by DIY amateurs who have no professional background. A brand new lock is configured with factory defaults in a way, that in majority of cases its programming will be not required.

Features:

- Identification by proximity tags
- 120 tags max.
- Can work with unlimited number of tags characterized with the same site code (facility code)
- Tags can be selectively enrolled and removed
- Support for Door Contact and Exit Button
- 1.5A/30V relay output and 1A/15V transistor output
- Alert condition indication
- Installation on flush mounting box or directly on the wall
- Adapted to outdoor applications
- 12V DC/AC power supply
- Tamper
- CE mark

SDC66 set includes:

- SDC66 lock
- Transformer (SET version only)
- Flush mounting box with set of fixing screws
- Master card for programming (1pc.)
- Tags, key fob form (5pcs.)



SDC66

Outdoor, standalone proximity card lock, screw terminals.

radius

Order guide

Item	Description
SDC66-G-SET	Electronic lock, transformer, accessories, dark grey enclosure
SDC66-G-LOCK	Electronic lock, accessories, dark grey enclosure
EMKF-4	Proximity tag for SDC66, key fob
EMC-10	Proximity tag for SDC66, ISO card
EMC-7	MASTER card for SDC66 programming
EA-1	External antenna module for SDC66 lock

SL2000 Code Locks

SL2000 series electronic code locks were designed as simple and economical access control devices that identify users by PIN codes.

Devices belonging to this series have identical functionality, while differences between them are limited only to mechanical construction, design of enclosure and environmental conditions (outdoor or indoor use).

Features:

- 1.5A/30V relay output and two transistor outputs
- Alarm signalling on the transistor output
- Door Contact and Exit Button inputs
- Administrator Code for programming and users codes management
- Master Code for lock arming/disarming
- 55 User Codes for door access
- Optional lock-out after three unsuccessful code entries
- Option to disable access in armed mode
- Programmable code length
- User Codes indexing
- Non-volatile memory
- Three LED indicators and Buzzer
- 10-15VDC supply
- Tamper
- CE mark



SL2000E

Outdoor code lock, plastic enclosure, 0.5 m connecting cable, silicone keypad with backlight, two function keys.

DOMINO



SL2000H

Vandal resistant, outdoor code lock, enclosure made with aluminium alloy with powder coating, screw terminals, key locked door, silicone keypad with backlight.



SL2000F

Indoor code lock, plastic enclosure, screw terminals, silicone keypad with backlight, optional installation on 60 Ø mm flush mounting box.



SL2000F-VP

Vandal resistant, outdoor code lock, front enclosure and keys made with aluminium alloy and covered with silver-metallic coat, 0.5 m connecting cable, optional installation on 60 Ø mm flush mounting box.

radius



SL2000S1K

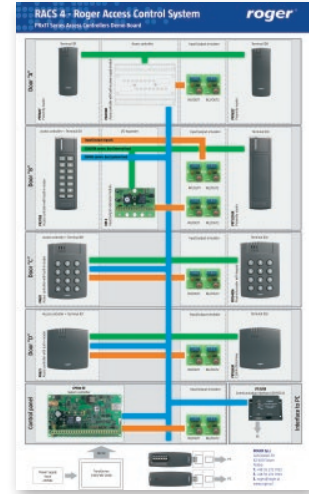
Vandal resistant, outdoor code lock, screw terminals, enclosure and keypad made with aluminum alloy and silvered galvanically.



DB-1

Demonstration and training system with PRxx1 series controllers. All devices which are connected into network system with four read in/out doors are installed on board with 100x60x3cm dimensions. DB-1 system can be used for training access control installers and designers, as well as for presentation of the system at end-users premises.

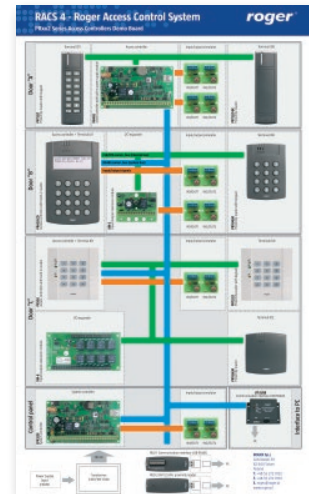
Order guide	
Item	Description
DB-1-PL	Demonstration board with PRxx1 series controllers, Polish version
DB-1-EN	Demonstration board with PRxx1 series controllers, English version
DB-S	Portable stand for DB series demonstration board
DB-S-ST	Stationary stand for DB series demonstration board



DB-2

Demonstration and training system with PRxx2 series controllers. All devices which are connected into network system with three read in/out doors are installed on board with 100x60x3cm dimensions. DB-2 system can be used for training access control installers and designers, as well as for presentation of the system at end-users premises.

Order guide	
Item	Description
DB-2-PL	Demonstration board with PRxx2 series controllers, Polish version
DB-2-EN	Demonstration board with PRxx2 series controllers, English version
DB-S	Portable stand for DB series demonstration board
DB-S-ST	Stationary stand for DB series demonstration board



DB-3

A board demonstrating the offer of Roger company in the field of access control systems. Dummy devices and their descriptions are available on the board with dimensions 100x60x3cm. DB-3 can be useful in showrooms with Roger products as well as for presentation of RACS 4 for potential customers interested in installation of Roger Access Control system at their premises.

Order guide	
Item	Description
DB-3-PL	Access control offer presentation board, Polish version
DB-3-EN	Access control offer presentation board, English version
DB-S	Portable stand for DB series demonstration board
DB-S-ST	Stationary stand for DB series demonstration board



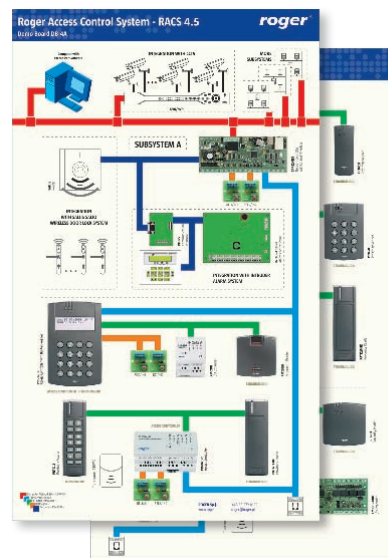
DB-4AB

NEW

Demonstration and training system for RACS 4.5 access control system. All devices which are connected into network system with six read in/out doors and are installed on two boards with 100x60x3cm dimensions. Additionally, DB-4AB presents integration capabilities with CCTV recorders, Integra alarm systems and Sallis wireless locks. Board A can be used separately from board B, while board B requires connection to board A.

Order guide

Item	Description
DB-4AB-PL	Set of two boards (A+B), Polish version
DB-4AB-EN	Set of two boards (A+B), English version
DB-4A-PL	Board A, Polish version
DB-4A-EN	Board A, English version
DB-S	Portable stand for DB series demonstration board
DB-S-ST	Stationary stand for DB series demonstration board



PDK-1

Portable demo kit for PR402DR and PR411DR controllers. Kit includes: PR411DR/PR402DR access controller PCB module, communication interface UT-2USB, two PRT12LT readers, mains transformer. All devices are factory installed on demo boards and wired. The kit can be used in trainings and presentations with computer and PR Master software.



Portable Showroom Stands

Portable showroom stands for presentation of Roger products. All stands are made of PMMA plastic. Various dummy devices as well as labels with product names are attached to them. Stands are dedicated to support the promotion of Roger devices in showrooms, during meetings with end-users as well as exhibitions and fairs.



Time & Attendance





NEW

RCP Master 2 is Time & Attendance software which can be operated as standalone solution or extension to RACS 4 system. In the first application, RCP Master 2 communicates with T&A terminal (PR602LCD) while in the second one it imports T&A data from RACS 4 access control system. In both cases user attendance can be recorded electronically with proximity cards.

The software is dedicated to HR departments in small and medium companies and it is offered with license for 50, 250 or 500 employees and for single or multiple workstations. Licensing system of RCP Master 2 software requires connection of hardware key i.e. RUD-2 or RUD-3 reader. Demo version can be used for 60 days free of charge for the purpose of evaluation and testing. Demo version does not require hardware key.

Features:

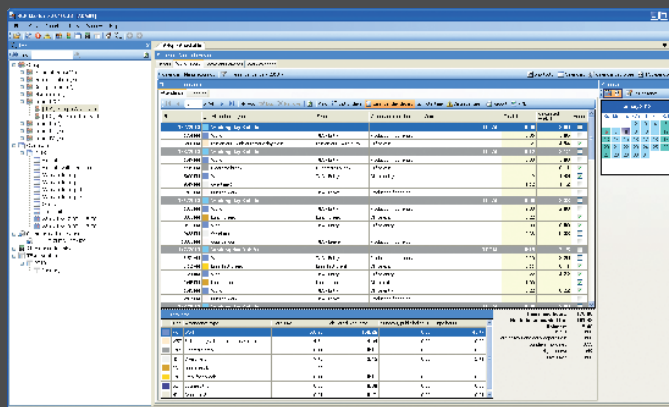
- Individual work time calendars for employees
- Support for employee late comings and early leavings
- Support for on-duty exit
- Support for holidays
- Support for standard and non-standard work time including multi-shift working system
- Support for paid/unpaid breaks and overtime
- Operator accounts with access to selected employee groups
- Manual modification of T&A data by operator
- Various reports e.g. employee groups, employees, calendars, T&A terminals, holidays etc.
- Report wizard for customizable reports
- Various report formats: pdf, xls, doc, rtf, rpt and xml
- Automatic report sending by email
- Simplified access control functions in standalone scenario of operation
- Local or network database
- Support for 32-bit Windows 98 or newer and 64-bit Windows Vista or newer

Order guide	
Item	Description
RCP Master 2-1	RCP Master 2 license, up to 50 employees, single user version
RCP Master 2-2	RCP Master 2 license, up to 250 employees, single user version
RCP Master 2-3	RCP Master 2 license, up to 500 employees, single user version
RCP Master 2-4	RCP Master 2 license, up to 50 employees, multi-user version, up to 3 users
RCP Master 2-5	RCP Master 2 license, up to 250 employees, multi-user version, up to 3 users
RCP Master 2-6	RCP Master 2 license, up to 500 employees, multi-user version, up to 3 users
RUD-2	EM 125 kHz USB reader, can be used as hardware key for RCP Master 2 license
RUD-3	13.56MHz ISO/IEC14443A and MIFARE® USB reader/writer, can be used as hardware key for RCP Master 2 license



PR602LCD

Access controller which can be used as standalone T&A terminal or within RACS 4 access control system. PR602LCD is equipped with 4 line LCD and four programmable function keys for selection of T&A mode (Entry, Exit, On-duty exit, etc.).

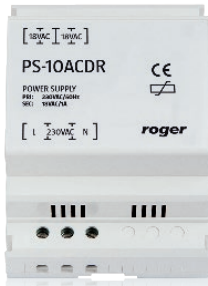


Guard Tour System



Auxiliary Equipment





PS-10ACDR

1A/18VAC mains transformer, DIN 35mm rail plastic enclosure, thermal overload protection, recommended for PR411DR and PR402DR access controllers.



PS-15DR

NEW

1.5A/13.8VDC switching mode buffer power supply, operation with 13.8V backup battery, DIN 35mm rail plastic enclosure.



PS20

2A/13.8VDC buffer power supply, metal enclosure with space for 7Ah/12V backup battery, deep discharge and overload protection.



PS-30DR

NEW

3A/13.8VDC switching mode buffer power supply, operation with 13.8V backup battery, DIN 35mm rail plastic enclosure, power condition signalled on transistor outputs or via RS485 interface.

The ASP sirens offer acoustic and optical alarm signalling. Both units are equipped with tamper detection circuit which indicates detachment from the wall as well as attempt to open the siren enclosure.

Moreover, the ASP110S may indicate power supply shortage. Both, sound and optical alarms are controlled by separate inputs. Five different patterns (modulations) are available for acoustic alarm signalling.



ASP110LC

- 12VDC external supply
- 110db/1m sound level
- LED/2Hz pulsed alarm light



ASP110S v2.0

- 12VDC external supply
- 110db/1m sound level
- LED/2Hz pulsed alarm light
- Backup battery 1.2A/12V (optional)
- Timer for acoustic alarm signalling

Aside from devices presented in the Product Guide, Roger company offers manufacturing of OEM devices according to customer specification. Depending on the specific device, it is possible to order length of connecting cable, logo print on the device enclosure, modification of keypad backlight colour and enclosure colour as well as device firmware and

other modifications according to customer requirements. Each case of nonstandard manufacturing requires submission of individual quote and may require single payment in advance in order to cover costs related to tooling and/or documentation. Average delivery time for OEM products vary from 4 to 8 weeks.

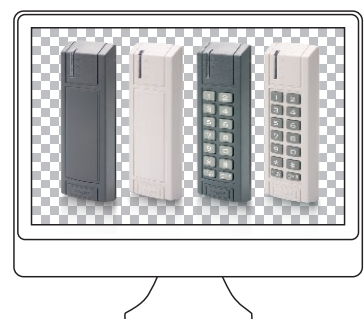


General information

Roger supports distributors with promotional materials for translation or direct use without any modifications. Promotional materials can be downloaded after login into "Partner Zone" section at www.roger.pl

List of typical marketing materials:

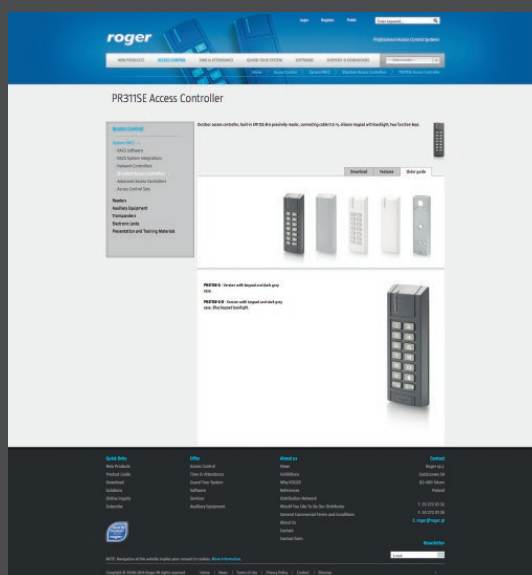
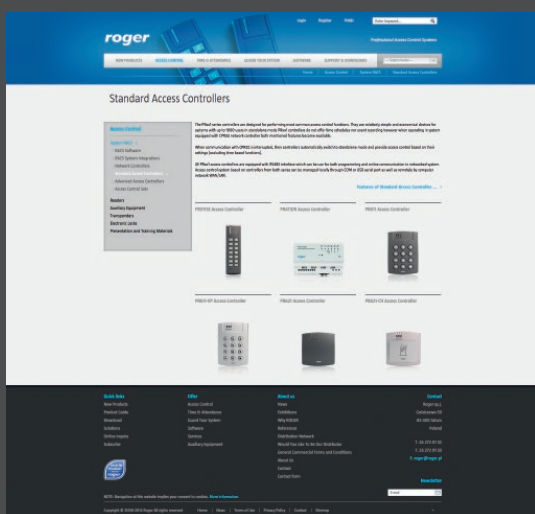
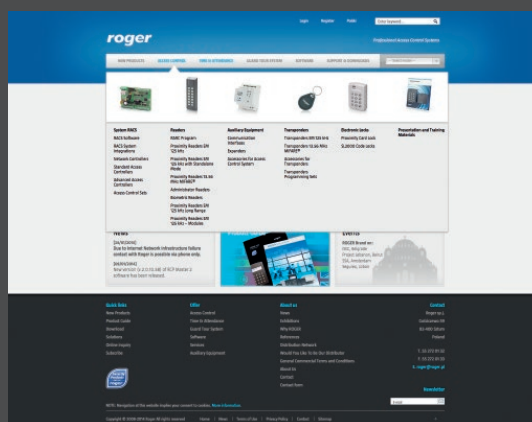
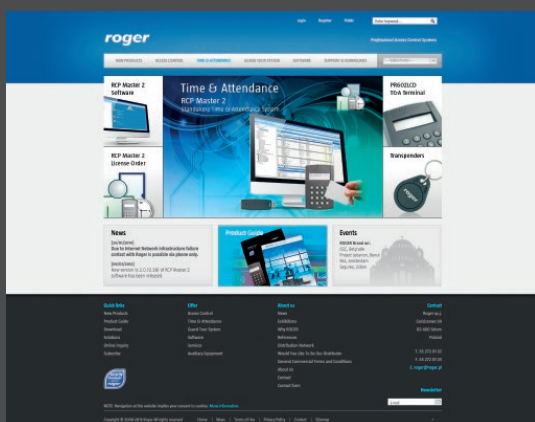
- Roger vector logo
- High resolution photos
- Website photos
- Promotion posters
- Roll-ups
- Technical drawings



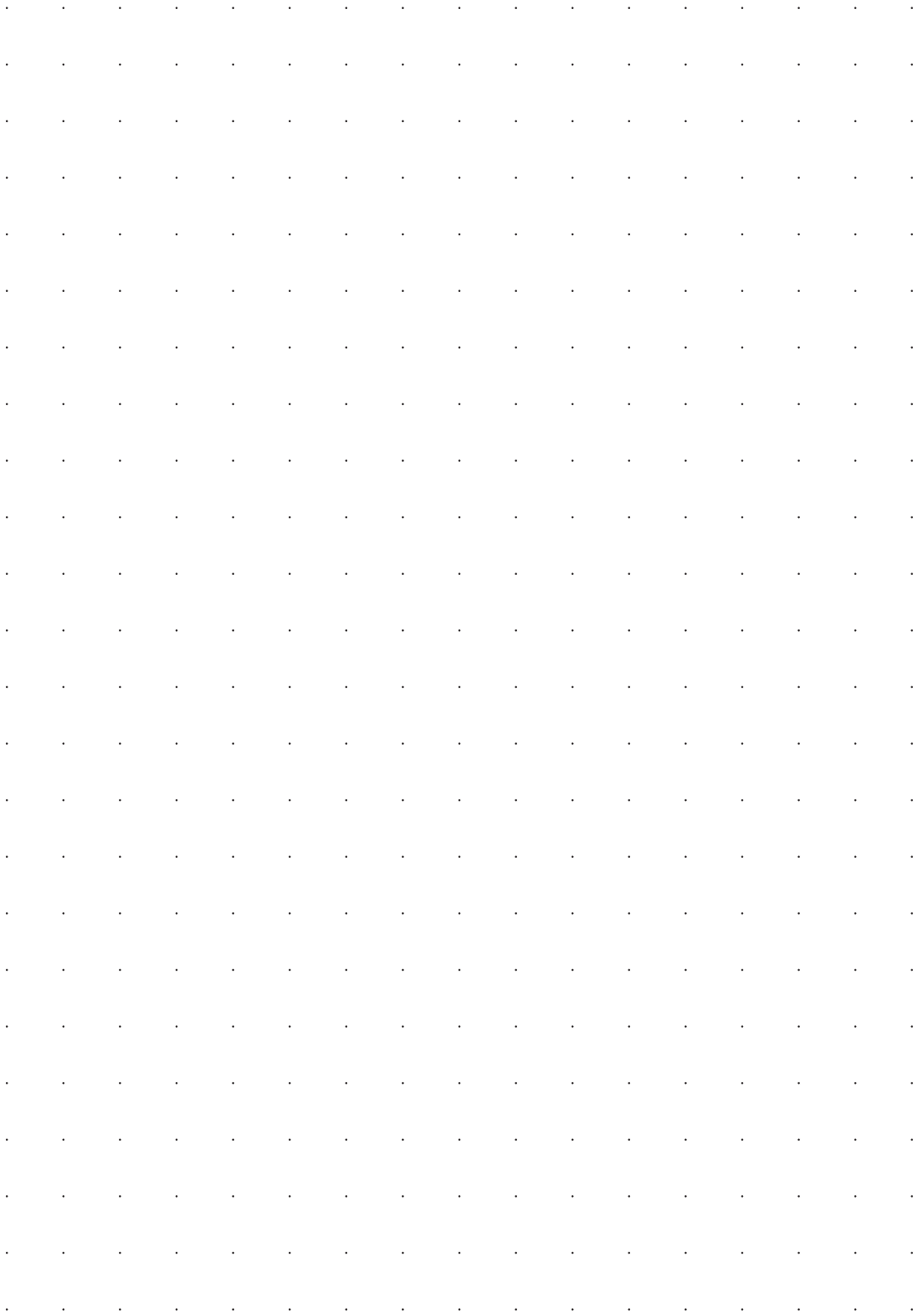
To learn more about Roger's offer please visit www.roger.pl

The webpage provides:

- Complete information on all products
- Download library
- Contact and order forms
- Regularly updated FAQ section
- Partner Zone
- And much more...



Notes







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