COMPLEMENTARY SYSTEMS
ACCESS CONTROL SYSTEM (ACS)

> Most technical and server rooms face a similar challenge: technical staff require unlimited physical access to servers and other equipment. Each group has different needs, however, meaning individual access rights must be defined; setting up and maintaining these can be difficult and time-consuming.

RAMOS ULTRA ACS

> **RAMOS Ultra ACS** is an expandable monitoring and ACS solution for server rooms and data centers. ACS features require our CONTEG Pro Server for setting up access privileges and users, and comes with all the features of our standard RAMOS Ultra — in which sensors, mapping, smart graphs, intelligent notification or a GSM gateway are required. Equipped with a user friendly web interface for sensor configuration, data collection and extensive graphing.

Code	Description
RAMOS ULTRA ACS	Monitoring device RAMOS Ultra; 2× Intelligent ports (In/Out); 2× expansion ports on front panel; 2× ACS reader ports; 1× ACS door port; 2× ACS Fingerprint reader port; 4× video ports and 4× PTZ ports; Modbus (RS-485); USB 2.0 for connection GSM, Bluetooth or Wi-Fi adapter; power adapter with power cord; 1.5 m crossover patch cord cable; 1U high bracket with screws and installation CD; included lock port converter
RMS-ACS-U-RDU	RAMOS Ultra ACS Expander – Rack Door Unit; controls up to 100 RDU expander units per single RAMOS Ultra; daisy-chain connection up to 25 RDU on single expansion port; 2 intelligent ports for sensors/detectors; power supply with power cord and 1.5 m LAN cable included (requires RAMOS Ultra / Ultra ACS main device and CONTEG Pro Server for setup)

DESCRIPTION:

- Identical to standard RAMOS Ultra (page 97), except for the following:
  - Monitors with up to 500 intelligent sensors using expansion modules (RAMOS ULTRA-EX-O16 and RAMOS ULTRA-EX-I8) daisy-chain connected to 2 Expansion ports
  - 2× auto-sense intelligent sensor ports, which can be set to input or output
  - 2× ports for card readers or keypads
  - 1× port for electronic latch or electromagnetic lock
  - 2× USB ports for fingerprint readers
  - 4× USB video ports and 4 PTZ control ports

- Multiple verification options (e.g. fingerprint + PIN + card) can be used for access

Rack Door Unit (RDU):
- ACS expander
- Compatible with RAMOS Ultra and RAMOS Ultra ACS
- 1× (green) port for card reader/keypad
- 1× (red) port for electronic latch or electromagnetic lock
- 2× (yellow) auto-sense intelligent sensor ports
- Connected via RJ-45 expansion ports using standard (Cat. 5 LAN cable)

- Can be daisy-chained using E-Out (Silver)/E-In (Blue) ports to other expansion boards
- Maximum length of connection cable (LAN Cat. 5/6) between expander and RAMOS (or between expanders) 300 mm; max. 25 RDU in single expansion line
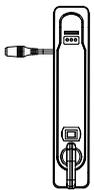- 12V DC power supply (included)

EXAMPLE OF ACCESSORIES

RAMOS ULTRA ACS

RMS-ACS-FPR

DP-ZM-E2

DP-ZM-E1

RMS-ACS-U-KER

RMS-ACS-U-CR

ACS ACCESSORIES FOR RDU AND RAMOS ULTRA ACS:

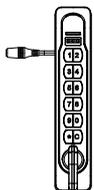| Code	Description	Package
RMS-ACS-FPR	Fingerprint reader for RAMOS Ultra ACS unit; includes cable and bracket for mounting	1 pc
RMS-ACS-FPR-D	USB fingerprint reader for PC / Server; includes USB cable	1 pc
RMS-ACS-DCR	USB desktop card reader (EM&HID format 125 kHz with USB cable); suitable for setting access in CONTEG Pro Server	1 pc
RMS-ACS-U-CR	Card reader (EM&HID format 125 kHz) with 4.5 m cable	1 pc
RMS-ACS-U-KER	Keypad with built-in card reader (EM format 125 kHz) with 4.5 m cable	1 pc
DP-ZM-EML-S	Electronic magnetic door lock (Small) with 3 m cable	1 pc
DP-ZM-EML-LW	Electronic magnetic door lock (large – waterproof) with 3 m cable	1 pc
DP-ZM-E1	Electronic door lock with profile half cylinder, 4.5 m cable included	1 pc
DP-ZM-E2	Electronic door lock with profile half cylinder and built-in card reader (EM&HID Prox format 125 kHz), 4.5 m cables included	1 pc
RMS-CON-ACS	Hub for connecting latches to door rack unit (for DP-ZM-E1 and DP-ZM-E2 only)	1 pc

ACCESS MEDIA:

Code	Description	Package
RMS-ACS-EMT-10	EM Tags, 125 kHz	10 pcs
RMS-ACS-EMT-25	EM Tags, 125 kHz	25 pcs
RMS-ACS-EMC-10	EM Cards, 125 kHz	10 pcs
RMS-ACS-EMC-25	EM Cards, 125 kHz	25 pcs
RMS-ACS-HID-10	HID Prox Cards, 125 kHz	10 pcs
RMS-ACS-HID-25	HID Prox Cards, 125 kHz	25 pcs

STANDALONE ELECTRONIC LATCHES

The Self-Contained Electronic Locking System features a single component design that can easily be mounted to a standard panel prep, simplifying the integration of electronic access into cabinets while eliminating the need for the wiring or connecting of separate components.

DP-ZM-ES-C   DP-ZM-ES-K

Code	Description	Package
DP-ZM-ES-C	Standalone electronic latch with card reader 13.56 MHz; battery case included, verification via card only	1 pc
DP-ZM-ES-K	Standalone electronic latch with keypad; battery case included, verification by PIN only	1 pc
DP-ZM-ES-PK	Programming key for standalone electronic latch (red)	1 pc
DP-ZM-ES-MK	Manager key for standalone electronic latch (black)	1 pc
DP-ZM-ES-UK	User key for standalone electronic latch (black)	1 pc
RMS-ACS-CMIF	MIFARE® Classic Cards, 13.56 MHz	10 pcs

DESCRIPTION:

- Unique electrical override feature
- Supports up to 20 RFID cards (RMS-ZM-ES-C) or PINs (RMS-ZM-ES-K)
- Four to seven digit PIN code
- Keyless entry simplifies access control
- Single component design enables easier integration, no wiring

- Operates on three AA batteries (not included)
- Low power operation extends battery replacement interval (50k cycles)
- LED indicator provides visual feedback during programming and operation
- Secure cam lock mechanism
- Fits industry standard 25x150 panel prep

- Programming key offers simple, quick enrollment
- Supports 1 programming key, up to 10 manager keys and up to 10 user keys
- Single point locking mechanism only

www.conteg.com

CONTEG, spol. s r.o.
Headquarters:
Na Vitezne plani 1719/4
140 00 Prague 4
Czech Republic
Tel.: +420 261 219 182
conteg@conteg.com
www.conteg.com

Production plant:
K Silu 2179
393 01 Pelhrimov
Czech Republic
Tel.: +420 565 300 300

Local Branches/Offices:

Austria/Germany/Switzerland:	+420 261 219 182
Benelux:	+31 76 5420 709
Southeastern Europe:	+49 172 8484 346
Finland:	+358 50 414 1257
France/Italy/Maghreb:	+33 1 60 04 55 90
Middle East:	+971 55 508 3241
Russia/CIS:	+7 495 967 3840
Saudi Arabia:	+966 54 000 2341

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