

CONTEG DATASHEET

ACCESS CONTROL SYSTEMS

RAMOS Ultra - Access system

RMS-ACS-U-RDU

Rack Door Unit

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Your server room may be secure, but if an intruder or unauthorized personnel gets access to the room, your server cabinets may be at risk. It's very common for companies to only want a limited group of high security clearance personnel to have access to their most sensitive information and servers.

To provide additional peace of mind, Conteg has developed a Rack Door Unit. This daisy-chain expansion board connects directly to the RAMOS Ultra Unit's expansion port and gives you full access to the Racks, Cabinets, Aisles and Rooms and shows who accesses the server room and when.

For large buildings and data centers it's possible to daisy chain the RDU, which grants control access to hundreds of server cabinets and doors. Conteg's Pro Server management software provides you with User/Group Management, User Access Schedules, Advanced Analytics and Notifications, Time-Stamped Video and much more.

Conteg's Pro Server is necessary for setting up Access management.

Connecting to the RAMOS Ultra makes the IP-based RMS-U-RDU suitable for deployment in a multi-site situation, where there are several buildings within different cities, countries or worldwide that require centralized access control management.

The Ramos Ultra access system is based on the Ramos Ultra's main device, where RDUs are daisy chained on expansion ports. The Ramos Ultra can store a full list of access details allowing it to work without a network connection.

Security options:

- Arrange access by site, floor, room or cabinet.
- Restrict access to certain times, days, users or security levels.
- Set up adjustable user groups with virtually any customizable preference your company, group or organization may need.

Technical details:

- Reader port: communicates using Wiegand 26 b protocol and provides power to reader
- Lock/latch control port: 12V DC max. 500 mA
- 2 intelligent sensor ports for sensors/detectors
- 2 LEDs indicate power and network connectivity
- Size: 132x54x34 mm
- Weight: 0.15 kg
- Voltage: 12V DC, 1A
- MTBF: 400,000 hours
- Operating temperature: Min. -35°C Max. 80°C
- Operating humidity: Min. 20% - Max. 80% (Non-Condensing)

RDU package includes:

- RDU device
- 12VDC power supply
- 1.5 m long Patch Cable (CAT 5)

RDU connection:

1. 12 x LED indicate status of power and connectivity
2. Expansion port "OUT"
3. Expansion port "IN"
4. 2 x intelligent port for sensors/detectors
5. Port for Wiegand reader (card reader or keyboard)
6. Port for door Lock/Latch control
7. Power input



Cable length up to 300m



Up to 25 RDUs per expansion line



RAMOS Ultra Access system - Accessories

DP-ZM-E2-ACS - Electronic Latch with built-in EM&HID Prox 125 kHz card Reader and 4.5 m long cables. Ideal for Conteg racks.



DP-ZM-E1-ACS -Electronic latch with 4.5 m long cable. LED light shows status of the latch. Ideal for Conteg racks .



DP-ZM-EML-S - Magnetic door lock – small with 3 m long cable. Ideal for third-party racks.



DP-ZM-EML-LW - Magnetic door lock – large, waterproof with 3 m long cable. Ideal for door and third-party racks



RMS-ACS-U-CR - EM&HID Prox 125 kHz card reader with 4.5 m long cable. Size is 55×90×25 mm. Standalone version ideal for wall mount, aisle doors and third-party racks.



RMS-ACS-U-KER - Keypad with built in EM card reader. Size is 152.5×56×23 mm. Standalone version ideal for wall mount.



RMS-ACS-DCR - USB Desktop card reader for EM & HID Prox cards 125 kHz. Helpful tool for administration.



RAMOS Ultra Access system – Access media

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

EM Key Tag



EM Card & HID Prox Card



Details of CONTEG Pro Server can be found on CONTEG Pro Server data sheet.