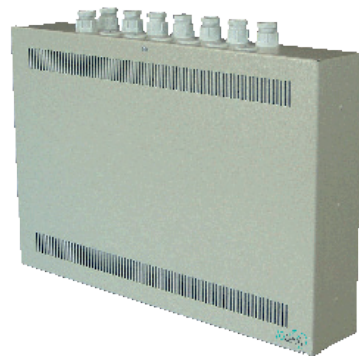


# HARDWARE

## Autonomous access control unit – R.A.U. Twin

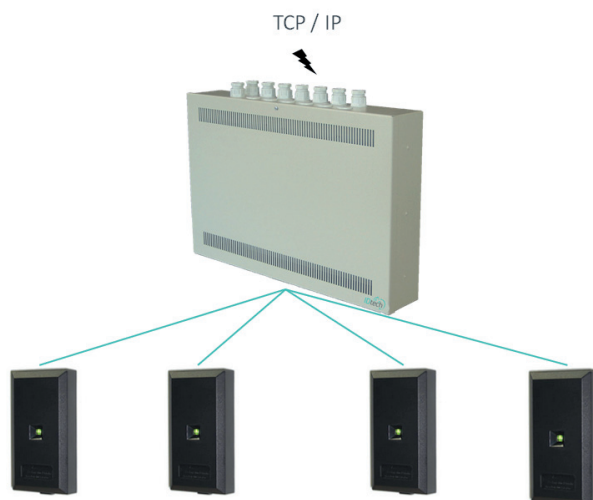
The remote access unit (R.A.U. Twin) has the memory, communications cards, microprocessor and power supply necessary to manage access control and the actions to be taken in the event of alarms (opening doors, barriers, gates etc.) locally and autonomously.



The free inputs can be used for monitoring external alarms or controlling the status of auxiliary doors.

As standard, the R.A.U. Twin can control :

- 4 read heads for personal identification (with or without keyboards)
- 2 entry/exit doors or 4 entry-only doors
- 8 logical inputs
- 4 relay outputs



## SPECIFICATIONS

Number of readers	4 with or without keyboard
Connection distance to readers	Up to 60 m (with readers using Wiegand communications)
Communications modules available as an option	<ul style="list-style-type: none"> <li>LAN/WAN TCP/IP 10 (RJ 45)</li> <li>Modem/GPRS</li> <li>Wi-Fi</li> </ul>
Output voltage	12 V DC or 100 to 240 V AC (50-60 Hz) or battery back-up (B.P.S.) as an option
Typical power consumption	0.3 amp (excluding peripherals) at 12 V DC
Battery Backup	+/- 5 years of data retention
Central unit connectivity	RJ45 Ethernet 10 Base-T or 100 Base-TX (auto-sensing)
Communication speed	Min. 4800/9600 baud
Event communication protocol	
Available reader inputs	<ul style="list-style-type: none"> <li>4 TTL inputs for iso (clk, dat) or wiegand (D0, D1) format</li> <li>2 LEDs/head</li> <li>1 buzzer per head</li> </ul>
Size	300 mm * 450 mm * 80 mm
Mounting	Wall-mounting, din, rail
Case	Metal
Temperature	0°C....+ 60°C
Conformity	CE
<b>OPTIONS AVAILABLE ON REQUEST</b>	
Extra logical inputs	8 potential-free contact inputs (extensible to 16)
Extra logical outputs	4 NO, NC relay outputs (extensible to 12)

## FEATURES

- Controls the opening and closing of doors, barriers and gates, triggers sirens, video cameras and lighting and centralises logical status reports from sensors or external contacts
- Access and alarm control at remote sites (in option, using modem, Wi-Fi or GPRS)
- Tables of programmed actions
- All events, transactions and parameters stored to ensure the access control and alarm management functions are carried out in full
- Accounting for special days and public holidays
- Fire control to allow emergency evacuation

## CHARACTERISTICS

- Autonomous controller for controlling access status, push-button entry and locking control (NO or NC)
- Secure communication protocol
- Hardware operational control that reports any errors or technical faults to the central unit
- Continuous operation guaranteed with or without connection to the central unit
- Ethernet network connectivity ready
- No slowdown in response time under heavy load
- Automatic data synchronisation after a failure communication with the central unit
- Large memory capability: 20,000 cards and 5,000 events (other capacities, up to more than 100,000, available as an option)
- Procedures and information backed up in the event of power failure
- Compatible with a variety of identification technologies: magnetic, chip card, remote control, Mifare, Desfire, Magstripe, biometrics (iris, fingerprint, hand geometry)
- Fully integrated to the IDtech software suite
- 100% compatible with the controllers in the IDtech range:
  - R.A.U. ; R.T.U.; R.S.U.
  - R.C.P./b4; R.C.P./m8; R.C.P./b10
- Simple to configure
- Simple and easy installation
  - Wall-mounted, din, rail
  - Power supply required (220 V)
  - Connection to the central management unit via IP link (cabled or wireless), GPRS or serial connection
  - Connection to peripherals via removable connectors



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