



Professional Access Control

Product Reference Guide



Crucial evidence. Always.™



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Professional and compact body access control controllers with series highlights, specifications & system map.



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Range of professional access control readers for indoors & out, in card, keypad and fingerprint reader models.



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Enrolment readers, 13.56MHz IC cards, electric door strikes, electric magnetic locks & door switches.





Professional access control.

Professional Series: Scalable IP access controllers for home & business

VIP Vision Access Controllers are the central component for your access control system. Take full control with user management, event logs, access period scheduling, alarm functions, CCTV integration and much more.

- Store up to 100,000 valid cards & 150,000 records
- Supports RFID card, fingerprint and keycode
- TCP/IP network interface for configuration via PC
- RS485 & Wiegand 34 communication protocols
- Door time-out, intrusion, duress and tamper alarms
- Anti-passback, multi-door interlock, multi-card open
- Support 128 efficient time and holiday schedules
- Watchdog timer to prevent system malfunctions
- Sturdy wall-mounted metal casing (*ACCON-2P only*)
- Backup battery extension (*Sold separately*)



Managed Access Control



Up to 32 Devices Per Controller



Configure via Smart PSS

Centrally managed.

Take control with powerful & free organisational tools.

The free VIP Vision SmartPSS PC application serves as the management platform for your access control system. It includes a range of professional access control tools, and it facilitates CCTV surveillance integration.

- Configure users, departments & user access rights
- Photo ID and card / fingerprint enrolment hub
- View & import/export comprehensive attendance records & alarm logs (intrusion, unclosed door, etc.)



Feature rich access.

Scalable & customisable professional access control.

VIP Vision access control delivers security from small to large premises. Cascade up to 255 slave controllers for over 2000 total door capacity. Precisely define access use with a range of customisation options, including:

- Set first unlock card before granting access to others
- Inter-door unlock & multi-door interlock prevents simultaneous door access in clean rooms, airlocks, etc.
- Anti-passback to prevent shared or stolen access to high security areas, eg: secure parking lots
- Door timeout warning to prevent tailgating
- Duress cards in case of emergency

Video verification.

Integrate professional surveillance to your access control.

Verify legitimate access use by integrating VIP Vision CCTV surveillance alongside your access control system. VIP Vision SmartPSS offers combined use of CCTV & access control, enabling real-time monitoring and linked video to access control alarm events.

- Integrate CCTV surveillance systems on the same network as your access control system
- Link CCTV video surveillance to access alarm events including tamper, intrusion, door unclosed, duress alarm and blacklist events



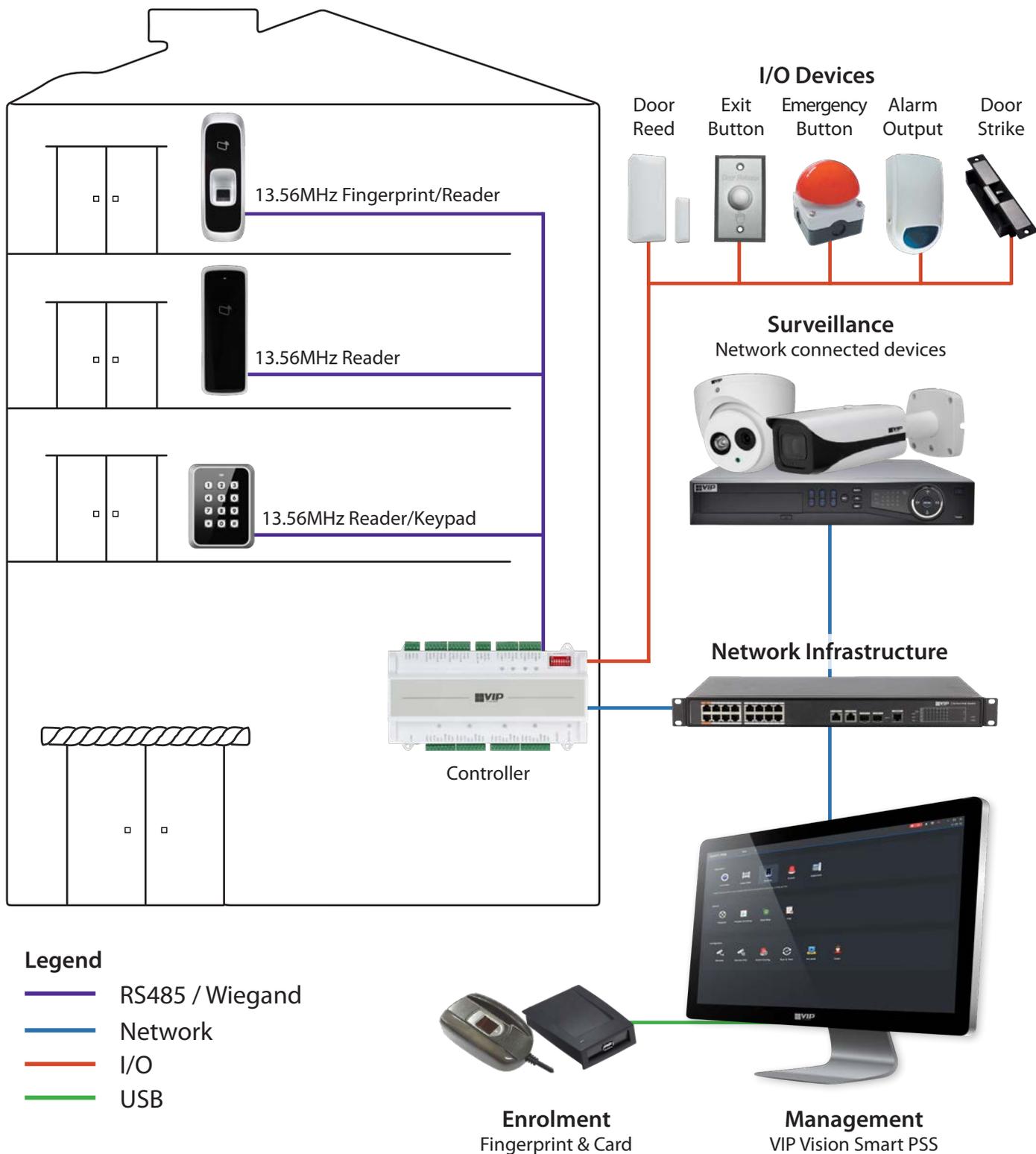
Access Controllers | Series Specifications

| Model | ACCON-2P22 | ACCON-2P41 | ACCON-2P42 | ACCON-2P81 | ACCON-2C41 |
|---|--|---|--|--|---|
| Image | | | | | |
| Name | 2 Door Two-way Access Control Panel | 4 Door Access Control Panel | 4 Door Two-way Access Control Panel | 8 Door Access Control Panel | 4 Door Access Controller |
| Input Ports | 8 (2 x door sensor; 2 x exit button; 4 x alarm input) | 9 (4 x door sensor; 4 x exit button; 1 x alarm input) | 20 (4 x lock state; 4 x door sensor; 4 x exit button; 8 x alarm input) | 20 (8 x door sensor; 8 x exit button; 4 x alarm input) | 9 (4 x door sensor; 4 x exit button; 1 x alarm) |
| Output Ports | 4 (2 x door lock, 2 x alarm output) | 5 (4 x door lock, 1 x alarm output) | 12 (4 x door lock; 4 x internal alarm; 4 x external alarm out) | 12 (8 x door lock, 4 x alarm output) | 5 (4 x door lock, 1 x alarm) |
| Main Processor | 32 Bit | | | | |
| Memory | 16MB | | | | |
| Reader Ports | 4 | 4 | 8 | 8 | 4 |
| Card Memory | 100,000 | | | | |
| Event Memory | 150,000 | | | | |
| Access Control | Anti-pass back, Multi-interlock, Multi-card unlock | | | | |
| User Management | General, VIP, Guest, Patrol, Blacklist, Duress | | | | |
| Alarm Function | Door time-out, Intrusion, Tamper, Duress | | | | |
| Period | Support 128 groups of schedules, 128 groups of periods and 128 groups of holiday periods | | | | |
| Ethernet | RJ-45 (10/100Base-T) | | | | |
| Reader Interface | RS485 / Wiegand 34 | | | | |
| RTC | Yes | | | | |
| Battery Backup | 12VDC 7Ah Battery / UPS (Sold Separately) | | | | UPS (Sold Separately) |
| Battery Up-Time (Stand-by) | Electric Door Strikes: 20hrs (2 doors) / 11hrs (4 doors) / 6hrs (8 doors) * Uses 12VDC7Ah Lead Acid Battery. Figures are calculated estimates and are for reference only. Actual installation results may vary | | | | N/A |
| Power Supply | 240VAC | | | | 9~15VDC / 500mA |
| Operating Conditions | -30° ~ +60° C / Less than 95% RH | | | | |
| Housing | Metal | | | | Plastic |
| Dimensions | 266 x 290 x 87mm | | 270 x 330 x 90mm | 280 x 320 x 114mm | 210mm x 116mm x 51mm |
| Net Weight | 2.0kg | | | | 0.5kg |
| Dimensions (ACCON-2P22, ACCON-2P41 and ACCON-2C41 shown) | | | | | |
| Detail (ACCON-2P22, ACCON-2P42 and ACCON-2C41 shown) | | | | | |

Access Controllers | System Map

VIP Vision Access Control systems integrate door control, user management, real-time video and time attendance. The all-in-one system can be customised to meet the needs of small to large businesses.

See an example system architecture below, with optional CCTV and alarm integration.





Elegant & versatile readers.

Professional Series: Access control card, keypad and biometric readers

Professional Series access control readers deliver a smooth access experience in a range of elegant designs. Customise your access control system & add multiple layers of security with card, keypad and fingerprint readers.

- Gain access via card, fingerprint scan or keycode
- Mullion mount, touch button & metal button models
- Connect and configure with PC via ethernet cable
- RS485 & Wiegand 34 communication protocols
- Elegant and professional design with black finish
- Tamper switch & alarm alerts across the range
- LED indicators and backlights for low light use
- Weather & vandal resistance (*varies by model*)



Multiple Unlock Options



High Visibility LED Backlight



Weather & Vandal Resistance

Access Control Readers | Series Features

| Model | ACRDR-2PC | ACRDR-2SC | ACRDR-2SFC | ACRDR-2SKC | ACRDR-2MKC | ACRDR-2LKC |
|---------------|----------------------|-----------|------------|------------|------------|------------|
| General | Image | | | | | |
| | Product | | | | | |
| | Main Processor | | | | | |
| Access | Communication | | | | | |
| | RFID Format | | | | | |
| | RFID Read Range | | | | | |
| | RFID Read Time | | | | | |
| Function | Fingerprint Scan | | | | | |
| | Keypad | | | | | |
| | Audio | | | | | |
| Environmental | Light | | | | | |
| | Tamper Switch | | | | | |
| | Ingress Protection | | | | | |
| | Vandal Protection | | | | | |
| | Power Supply | | | | | |
| | Operating Conditions | | | | | |
| Diagrams | Dimensions | | | | | |
| | Net Weight | | | | | |
| Installation | | | | | | |

Access Control Readers | Accessories



NFC Card Enroller
ACENR-2C

This USB-powered device registers RFID cards into your access control system, and is required to use all RFID scanners in the range.



13.56MHz NFC Cards
ACKEY103

10 pack of thin 13.56MHz RFID (NFC) proximity cards for access control systems.



Fingerprint Enroller
ACENR-2F

This USB-powered device registers fingerprints into your access control system, and is required to use the ACRDR-2SFC.



13.56MHz NFC Keyfob
ACKEY104

13.56MHz RFID (NFC) proximity keyfob with keyring for access control systems.

Accessories | Electronic Door Strikes

| Model | ACLOC100 | ACLOC101 | ACLOC102 | ACLOC103 | ACLOC104 |
|----------------------|-------------------|---------------------|-------------------------|---|---------------------|
| Image | | | | | |
| Type | Mortise Mount | Surface Mount | Mortise Mount | Mortise Mount | Surface Mount |
| Door Latch | 9.5mm | 9.5mm | 12.7mm | 12.7mm | 9.5mm |
| Keeper Depth | 9.6mm | 9.6mm | 12.7mm | 10.8mm | 9.6mm |
| Construction | Steel | Steel | Stainless Steel | Stainless Steel | Chrome Plated Steel |
| Lock Configuration | Fail Secure | Fail Secure | Fail Secure / Fail Safe | Fail Secure / Fail Safe | Fail Secure |
| Lock Status Sensor | No | No | Yes | Yes | No |
| Power Input | 12VDC at 400mA | 12VDC at 400mA | 12VDC at 260mA | 12/24VDC at 280/140mA 12/24VAC at 170/85mA | 12VDC at 400mA |
| Faceplate Dimensions | 160 x 25 x 3mm | 108.5 x 50 x 3mm | 165 x 31 x 2mm | 175 x 29 x 3mm | 175 x 29 x 3mm |
| Overall Dimensions | 160 x 25 x 30.8mm | 108.5 x 50 x 31.4mm | 165 x 31 x 40.2mm | 175 x 29 x 26mm | 144.5 x 36.4 x 25mm |

Accessories | Electronic Magnetic Locks

| Model | MAGLOC100S | MAGLOC100M | MAGLOC101S | MAGLOC101M |
|---------------------|-------------------------------------|-------------------|---|---|
| Image | | | Coming Soon | Coming Soon |
| Type | Surface Mount | Mortise Mount | Surface Mount | Mortise Mount |
| Holding Force | Approx. 270kg | | | |
| Construction | Anodised Aluminium with zinc finish | | | |
| Lock Configuration | Fail Safe | | | |
| Lock Status Sensor | No | | Yes | |
| Power Input | 12VDC at 500mA / 24VDC at 250mA | | | |
| Armature Dimensions | 185 x 38 x 12.5mm | 185 x 38 x 12.5mm | 185 x 38 x 12.5mm | 185 x 38 x 12.5mm |
| Magnet Dimensions | 250 x 47.2 x 26.5mm | 228 x 38 x 27mm | 250 x 47.2 x 26.5mm | 228 x 38 x 27mm |

Accessories | Electronic Magnetic Locks

| Model | ACDSW100 | ACDSW101 | ACDSW102 |
|-----------------|-----------------------|----------------|------------------------------|
| Image | | | |
| Type | Hard Button | Hard Button | Touch Button + Green/Red LED |
| Output Contacts | 3 (N.O, N.C, COM) | 2 (N.O, COM) | 3 (N.O, N.C, COM) |
| Output Rating | 3A at 36VDC | 3A at 36VDC | 2A at 30VAC/DC |
| MTBF | | 500,000 uses | |
| Construction | Sandblasted Aluminium | Aluminium | Aluminium |
| Dimensions | 86 x 50 x 28.9mm | 86 x 28 x 20mm | 120 x 76 x 18mm |



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Customise your security and integrate CCTV surveillance with VIP Vision™ Smart PSS. Take complete control over user access privileges, receive alerts of access alarm events with video verification from your surveillance system, and monitor staff attendance with comprehensive reporting.





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Contact your local VIP Vision access control professional:



www.vip-vision.com