



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.



9 Access Control Accessories

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



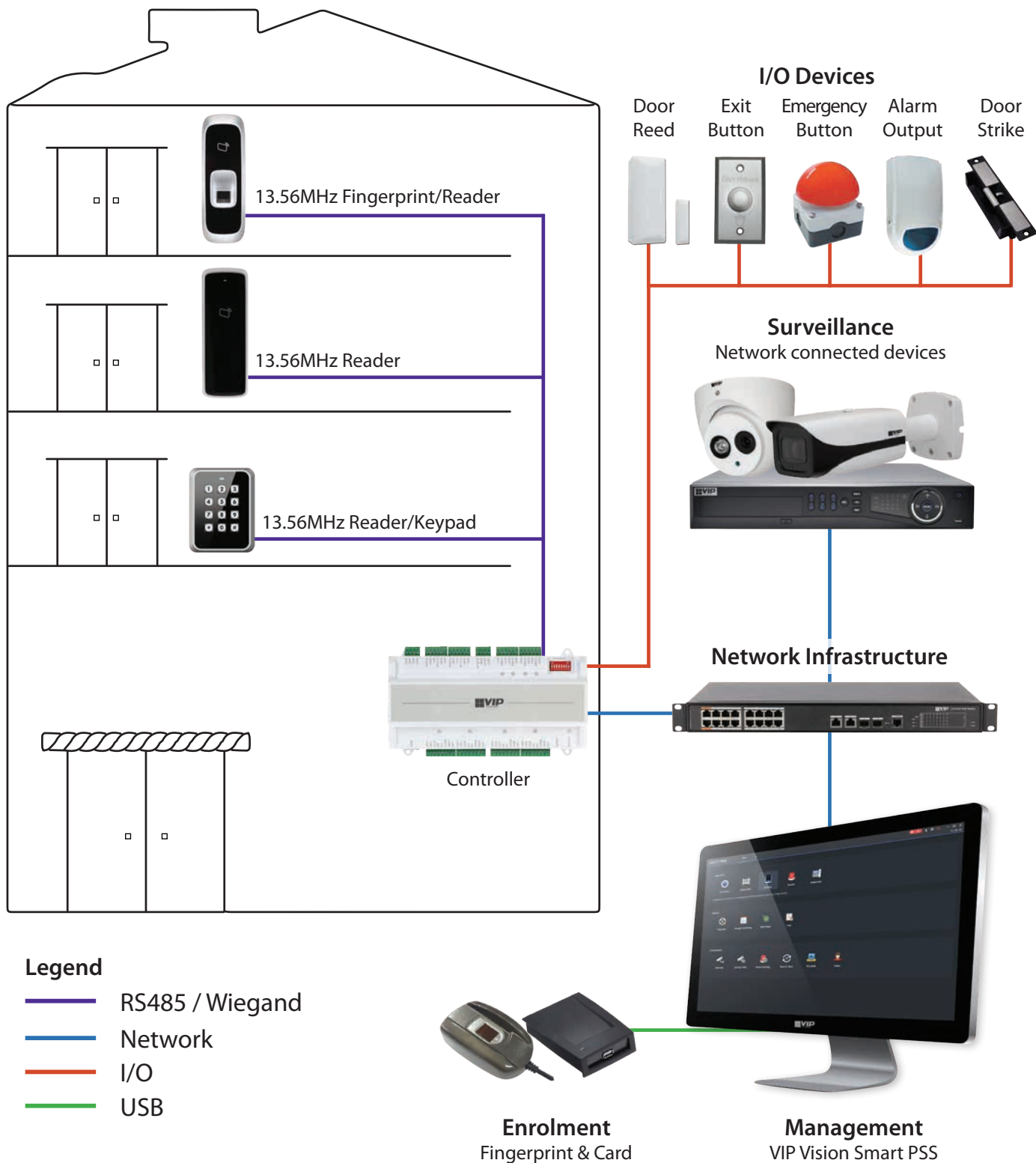
Access Controllers | Series Specifications

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







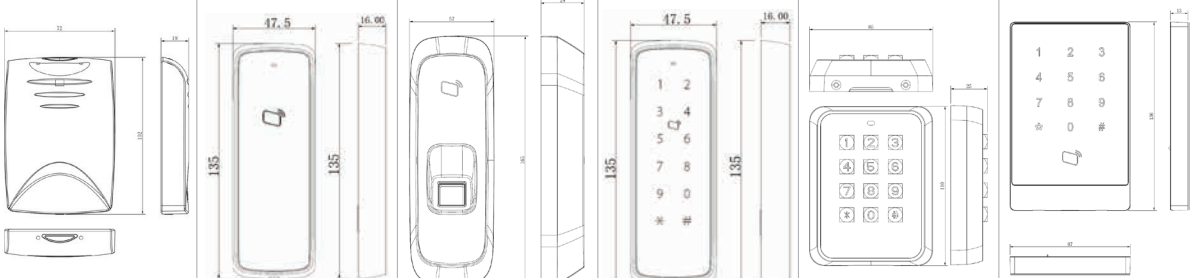


High Visibility LED Backlight



Weather & Vandal Resistance

Access Control Readers | Series Features

Model	ACRDR-2PC	ACRDR-2SC	ACRDR-2SFC	ACRDR-2SKC	ACRDR-2MKC	ACRDR-2LKC	
General	Image						
	Product	RFID Reader	RFID Reader	RFID Reader / Fingerprint Scanner	RFID Reader / Touch Keypad	RFID Reader / Button Keypad	RFID Reader / Large Touch Keypad
	Main Processor	8 Bit					
Access	Communication	RS485 / Wiegand 34	RS485	RS485 / Wiegand 34	RS485 / Wiegand 34	RS485 / Wiegand 34	RS485 / Wiegand 34
	RFID Format	13.56MHz (Mifare)					
	RFID Read Range	≤8cm					
	RFID Read Time	<0.1s					
	Fingerprint Scan	N/A	N/A	3000 capacity, ≤0.00004% FAR, ≤0.15% FRR	N/A	N/A	N/A
Function	Keypad	N/A	N/A	N/A	12 Touch Keys (0-9, *, #)	12 Button Keys (0-9, *, #)	12 Touch Keys (0-9, *, #)
	Audio	Buzzer					
	Light	Blue Backlight					
Environmental	Tamper Switch	Yes					
	Ingress Protection	IP67	IP65	IP55	IP65	IP55	IP55
	Vandal Protection	N/A	N/A	N/A	N/A	IK08	N/A
	Power Supply	9~15 VDC / 100mA	5~16 VDC / 100/300/800mA	9~15 VDC / 100mA	5~16 VDC / 100/300/800mA	9~15 VDC / 100mA	9~15 VDC / 100mA
	Operating Conditions	-30°~+60° C / <95% RH	-30°~+60° C / <95% RH	-5°~+55° C / <95% RH	-30°~+60° C / <95% RH	-30°~+60° C / <95% RH	-30°~+60° C / <95% RH
	Dimensions	72 x 102 x 18mm	135 x 47.5 x 16mm	165 x 57 x 29mm	135 x 47.5 x 16mm	110 x 85 x 26mm	135 x 86 x 12mm
	Net Weight	0.20kg	0.18kg	0.25kg	0.18kg	0.50kg	0.25kg
Diagrams	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.



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 Cards
ACKEY103





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





13.56MHz NFC Keyfob
ACKEY104

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


Accessories | Electronic Door Strikes

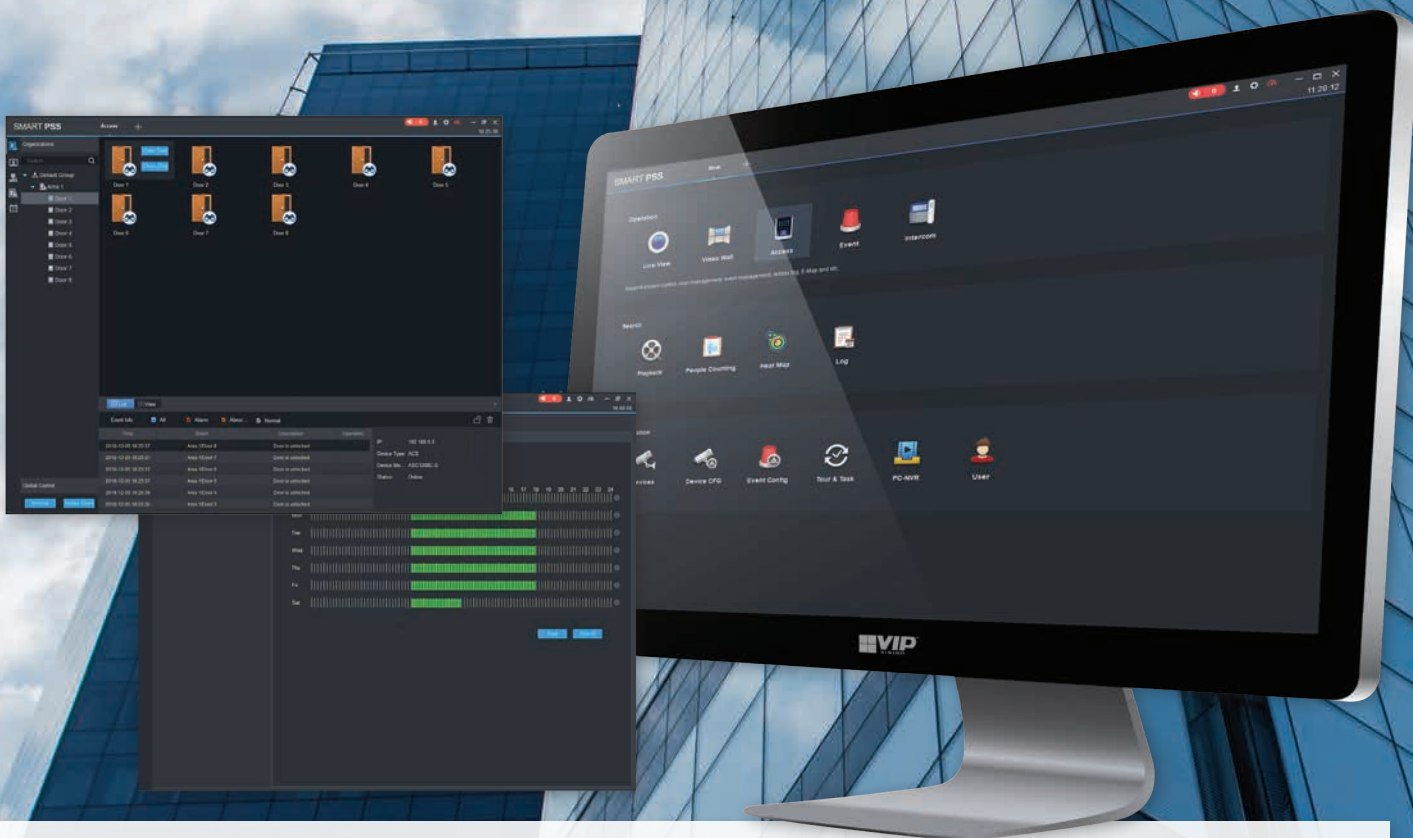
Model	ACLOC100	ACLOC101	ACLOC102	ACLOC104	ACLOC105
Image					
Type	Mortise Mount	Surface Mount	Mortise Mount	Surface Mount	Mortise Mount
Door Latch	9.5mm	9.5mm	12.7mm	9.5mm	12.7mm
Keeper Depth	9.6mm	9.6mm	12.7mm	9.6mm	10.8mm
Construction	Steel	Steel	Stainless Steel	Chrome Plated Steel	Stainless Steel
Lock Configuration	Fail Secure	Fail Secure	Fail Secure / Fail Safe	Fail Secure	Fail Secure / Fail Safe
Lock Status Sensor	No	No	Yes	No	Yes
Power Input	12VDC at 400mA	12VDC at 400mA	12VDC at 260mA	12VDC at 400mA	12/24VDC at 280/140mA 12/24VAC at 170/85mA
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	144.5 x 36.4 x 25mm	175 x 29 x 27mm

Accessories | Electronic Magnetic Locks

Model	MAGLOC100S	MAGLOC100M
Image		
Type	Surface Mount	Mortise Mount
Holding Force	Approx. 270kg	
Construction	Anodised Aluminium with zinc finish	
Lock Configuration	Fail Safe	
Lock Status Sensor	No	
Power Input	12VDC at 500mA / 24VDC at 250mA	
Armature Dimensions	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

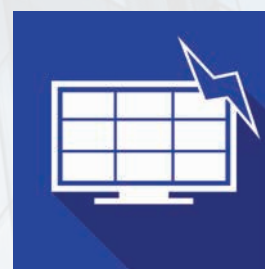
Accessories | Electronic Magnetic Locks

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



Crucial evidence. Always.™

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