

BACS™ Solo Palm

You Are The Key.

Single Biometric Reader with RFID



BACS™ Solo Palm is designed for customers upgrading their current access control system from ordinary card readers, to a biometric integrated solution. Solo Palm combines palm vein and RFID, enhancing authentication flexibility and offering a cost-effective and simple migration solution.

Migration products without card support can require a large investment, but Solo Palm offers simple UX palm vein authentication, along with the familiarity of a RFID reader. This allows the organization to utilize its existing card system and lower their initial investment.

The palm vein sensor and RFID card reader are integrated into an ergonomic design that features a curved surface, allowing the user to hold their hand in a natural position. The authentication process also mimics the gesticulation of card tagging, creating a seamless transition. This user friendly design ensures an intuitive experience for people who are not familiar with biometric readers.

Solo Palm provides a 100% touchless access control solution, eliminating any hygiene issues that can arise when there is a large number of users. In addition to maintaining a high standard of hygiene, the combined authentication of Palm Vein and RFID card can provide a strong solution for the necessity of higher security.



I Security and Reliability I

- Multi-biometric authentication - Palm Vein & RFID
- AES 256 data encryption
- Remote data management, firmware update and access control management via CruAMS (CrucialTrak Access Management System)
- Enhanced information security through tamper switch

I Performance I

- High-speed data processing
- Sound and LED indicator support
- Various management functions such as time and attendance, restricted area, distance control, etc.
- Logging up to 100,000 events, Palm vein registration for up to 500 users

I Compatibility I

- Support 13.56MHz, ISO14443A/B, ISO-15693, NFC
- Flexible connection between different brand terminals through various interfaces
- Support built-in relay

I Convenience I

- Optimal biometric and RFID UX



	BACS™ Solo Palm	
CPU	2G Hz Hexa Core ARM CPU	
Memory / Storage	2G / 8G	
Built in Display	LED Motion Indicator , Color changing	
Color	Pearl Black	
Operation Mode	Palm Vein and RFID (single and multi mode)	
Biometric Recognition	PaIm Vein	
Recognition Distance	35 ~ 76mm / 1.4 ~ 3.0in	
FAR/FRR of Algorithm	0.00001/0.01	
Capacity	500 palms	
Encryption	AES 256	
Safety	UL60950-1 , EN60950-1	
Built in RFID reader	13.56MHz, ISO14443A/B, ISO-15693, NFC	
Speak out	Sound effect	
Dimensions	132(W) x 85(D) x 132(H) / 5.19(W) X 3.36(D) X 5.19(H)	mm/in
Weight	0.5 / 1.1	Kg/lb
Communications	100Mbit Ethernet, Wiegand out	
Input / Output	Exit in, Door status in, Fire in(5V enable), Relay X 1, Alarm in	
Event Log Capacity	100,000 events	
Remote Control	Built in WEB server	
Power	12V DC / 3A	
Tamper Protection	SPIP (Smart Personal Information Protection) feature	
Languages	English (customizing available)	
Operating Temperature	-10 ~ 60 / 14~140	°C/°F
Operating Humidity	5% to 80%	
Storage Temperature	-20 ~ 70 / -4 ~ 158	°C/°F
Certifications	CE, NRTL, TUV, FCC, KC	
Housing Materials	flame retardant ABS, Poly Carbonate, PP	
Management SW	CRUAMS (CrucialTrak Access Management System)	
Connections	12p socket, 8p Ethernet Socket, HDMI(debug), USB2.0(debug)	
Mounting	Default wall mounting bracket	