

BACS™ Quattro

You Are The Key.

100% Touchless Multi-Biometric Access Control Reader



BACS™ Quattro combines face, iris, palm vein, and fingerprint authentication into a single integrated unit. This powerful multi-modal biometric access control system enables customers to heighten security when identity verification is critical.

Quattro frees you of the daily nuisances of lost keys and forgotten passcodes. You have the option to use any combination of the four authentication methods to suit your operating environment. Quattro's multi-modal biometrics solution isn't just flexible, it also features an intuitive design which reduces user error and gets you on your way.

The 100% touchless system keeps the product clean and hygienic, while the up-to-date authentication technology allows for fast and seamless recognition.

Quattro's 3-Step matching algorithm ensures both reliability and speed while the motion tracking function intelligently recognizes an on-coming object and authenticates it within 0.05 seconds. Quattro has various communication capabilities which can be used both stand-alone and system-linked, and the Plug-N-Play interface enables easy integration with existing security systems and devices.

Be the power to protect your organization with BACS™ Quattro.



I Security and Reliability I

- Multi-biometric authentication - Face, Iris, Palm Vein & Fingerprint
- AES 256 data encryption function
- Remote data management, firmware update and access control management via CruAMS (CrucialTrak Access Management System)

I Performance I

- High-speed data processing
- Sound and LED indicator support
- Customization for specific environment
- Logging for up to 1,000,000 events

I Compatibility I

- Simple integration with an array of systems via various interfaces (Wiegand in/out, RS485)
- Supports both stand-alone and system-linked
- Network Connectivity via wired LAN
- Supports two built-in relays

I Convenience I

- Simultaneous authentication of up to four biometric modalities
- Maximized UX with motion tracking sensor

	BACS™ Quattro				Remark
CPU	Integrated CPU set				
Memory / Storage	8GB / 64GB, 128GB				64G default
Built in Display	5 Icon indicators / LED round indicators				
Color	Metal Brown, Titanium White, Platinum Silver				
Operation Mode	Touchless Fingerprint, Face, Iris and Palm Vein (single & multi mode)				
Biometric Recognitions	Fingerprint	Face	Iris	Palm Vein	
Recognition Distance	25 ~ 77 / 1 ~ 3	1,195 / ~ 47	1,017 / ~ 40	35 ~ 76 / 1.4 ~ 3.0	mm/in
Capture	3 fingers	-	Double Iris	-	
FAR/FRR of Algorithm	0.00002 / 0.01	0.001 / 0.1	0.0001 / 0.1	0.00001/0.01	
Capacity	up to 50K	up to 50K	up to 100K	up to 5K	
Encryption	AES 256				
Safety	IEC-62471, UL60950-1, EN60950-1				
Speak Out	Sound effect				
Status Indication	Motion lighting				
Dimensions	200(W) x 200(D) x 192(H) / 7.8(W) x 7.8(D) x 7.5(H)				mm/in
Weight	1.5 / 3.3				kg/lb
Communications	Gigabit Ethernet, RS-485, USB 2.0, Wiegand In/Out				
Input / Output	Input : Exit Button , Door status, Fire, Timed / Output : Relay x 2, Alarm Signal				
External Interface	USB 2.0(Debug), HDMI(Debug)				
Event Log Capacity	1,000,000 events				
Remote Control	Built in WEB server				
Power	12V DC / 5A				
Proximity Sensor	2 proximity sensors are built in and distance adjustable for sensing body and hand				
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, KC, FCC				
Housing Materials	Flame retardant ABS, Poly Carbonate, PP				
Management SW	CRUAMS (CrucialTrak Access Management System)				
Connections	28p terminal block, RJ45, Standard HDMI(debug), 4p socket USB(Debug)				
Mounting	Default mounting bracket included				