

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 or wireless 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			
CPU	Integrated CPU set			
Memory / Storage	8GB / 64GB (Default), 128GB, 256GB			
Built-in Display	5 Icon indicators			
Audio Out	Sound effect & Voice support			
Proximity Sensor	2 Built-in sensors (body & hand)			
Status Indication	Motion-activated light			
Biometric Recognition	Fingerprint	Face	Iris	Palm Vein
Distance	25 mm ~ 77 mm / 1 in ~ 3 in	1,195 mm / ~ 47 in	1,017 mm / ~ 40 in	35 mm ~ 76 mm / 1.4 in ~ 3.0 in
FAR / FRR of Algorithm	0.00002 / 0.01	0.001 / 0.1	0.000001 / 0.1	0.0000001 / 0.01
Capacity	200K	50K	100K	50K
Encryption	AES 256			
Safety	IEC-62471, UL60950-1, EN60950-1			
Event Log Capacity	1,000,000 events			
Communications	Gigabit Ethernet, RS-485, USB 2.0			
External Interface	USB 2.0, HDMI			
Remote Control	Built-in WEB server			
Input / Output	Input: Exit button, Door status, Fire, Timed, Wiegand in, RS485 A/B Output: Relay x 2, Alarm Signal, Wiegand Out, RS485 A/B			
Power	12V DC / 5A			
Dimensions	200 mm x 200 mm x 192 mm / 7.8 in x 7.8 in x 7.5 in			
Weight	1.5 kg / 3.3 lb			
Color	Metal Brown, Titanium White, Platinum Silver			
Languages	English (Customization available)			
Operating Temperature	0 ~ 60 °C / 32 ~ 140 °F			
Operating Humidity	5% ~ 80%			
Housing Materials	Flame retardant ABS, Poly Carbonate, PP			
Management SW	CruAMS (CrucialTrak Access Management System)			
Mounting	Default mounting bracket included			
Certifications	CE, NRTL, TUV, KC, FCC			

Korea Headquarters | 62 Pangyo-ro 255, Bundang, Seongnam 13486, Korea
US Headquarters | 820 Gessner Road, Suite 1275, Houston, TX 77024

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CORP HQ. +1 (919) 230-8700 | WEST COAST +1 (310) 222-8600
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