

PCSC



PCSC BIOMETRICS FINGERPRINT READERS



PCSC offers biometrics fingerprint readers in a wide variety of formats and options. The biometrics technology used in PCSC fingerprint readers employs a larger portion of the fingerprint image than many other types, therefore maintaining a higher accuracy rate. Information privacy is strictly maintained with the use of encryption and with various protection filters employed during mathematical conversion, making it virtually impossible to recreate the fingerprint from the resulting template.

VERIFLEX™ BIOMETRIC FINGERPRINT READER

Add biometric security to your installed readers in a snap! The VeriFLEX is the strong user authentication solution for forward thinking organizations that require heightened security for their existing access control systems. The VeriFLEX makes it possible to add the security of fingerprint verification to any reader that is capable of providing Wiegand communication in an industry standard format. Organizations with keypads, bar code readers, and proximity card readers can now add fingerprint verification to their existing systems without replacing the existing reader infrastructure.

VERIPROX™ HID®- COMPATIBLE BIOMETRIC FINGERPRINT READER

Eliminate any concerns about stolen, loaned or compromised proximity cards! The

VeriPROX leverages fingerprint verification and proximity card reader technology to hinder unauthorized access. The reader requires that the fingerprint of the person seeking entry match the identity of the cardholder. This two-in-one solution combines a self-contained fingerprint verification package about the size of a business card with a proximity card reader. The two technologies are housed together in a modern case that conforms to million mount standards. The ergonomic reader that stores thousands of templates, performs enrollment and verification.

VPASS™ BIOMETRIC FINGERPRINT READER

With Wiegand Interface, no PIN or card required, the V-PASS is the ultimate biometric reader for physical access control installations. The modern reader eliminates the need for pins, keys or cards to gain access to secure areas. To gain access, the user simply places their finger on the reader and in less than one second the V-PASS confirms or denies access based on a database of fingerprints from authorized users. The V-PASS performs enrollment, identification and template storage for 200 fingerprints all within a small ergonomic case.

VSMART™ BIOMETRIC SMART CARD READER

PCSC offers VSMART, a two-in one solution that combines a biometrics device

and smart card reader for access control. It uses standard MIFARE contactless smart card technology and allows for Wiegand communications formats up to 64 bits. VSMART is ideal for installations spanning multiple sites, because the fingerprint template is stored on the card, creating a portable database. Storing the template on the card also eliminates the redundant wiring requirements for biometrics template management, permitting systems to support unlimited populations.

FEATURES

- Self-contained units store from 100 to 4,500 fingerprints
- Flexible communication options including RS232, RS485 and Wiegand
- Simple and quick enrollment of fingerprints in less than 5 seconds
- Advanced technology maintains fingerprint verification with dirty, cut, scarred, aged, wet and dry fingerprints
- Convenient software package provides user-friendly enrollment and administrative capabilities for fingerprint templates

SPECIFICATIONS & DRAWINGS



MODEL	VERIPROX	VERIFLEX	VPASS	VSMART
CHARACTERISTICS	Fingerprint technology and HID prox card technology Provides anti-passback	Adds fingerprint technology to any reader with Wiegand communication	Fingerprint technology - No cards, keys or PINs required For installations in a standalone reader	Fingerprint technology with smart card reader for access control
DIMENSIONS INCHES	5.12" x 1.97" x 2.20" l x w x d	5.12" x 1.97" x 2.20" l x w x d	5.12" x 1.97" x 2.20" l x w x d	5.12" x 4.65" x 2.5" l x w x d
DIMENSIONS METRIC	130mm x 50mm x 65.5 mm l x w x d	130mm x 50mm x 65.5 mm l x w x d	130mm x 50mm x 65.5 mm l x w x d	130mm x 118 mm x 65.5mm l x w x d
NETWORKING SPECS	Pigtail Wire Connection for RS-232, RS-485, Wiegand IN/OUT	Pigtail Wire Connection for RS-232, RS-485, Wiegand IN/OUT, Power	Pigtail Wire Connection for RS-232, RS-485, Wiegand IN/OUT	Pigtail Wire Connection for RS-485, Wiegand IN/OUT. ESI Interface for 232
ENROLLMENT TIME	<3 seconds	<3 seconds	<3 seconds	<5 seconds
VERIFICATION TIME	<1 second	<1 second	<1 second (for 100 user database)	<2 seconds
EQUAL ERROR RATE	0.1%	0.1%	0.1%	0.1%
NUMBER OF TEMPLATES	<4,000 per unit	<4,000 per unit	100 per unit (optionally capable of 200 per unit)	Unlimited
TEMPLATE SIZE	<350 Bytes	<350 Bytes	2,351 Bytes	<350 Bytes
CURRENT DRAW IDLE	0.60 amps@12V	0.60 amps@12V	0.150 amps@12V	0.60 amps@12V
CURRENT DRAW DURING ENROLL/VERIFY	0.400 amps @12V	0.400 amps @12V	0.400 amps@12V	0.400 amps@12V
VOLTAGE	8 - 24 VDC	8 - 24 VDC	8 - 24 VDC	8-12 VDC
MOUNTING SPECS	Flat surface, single gang or mullion	Flat surface, single gang or mullion	Flat surface, single gang or mullion	Flat surface, double gang
False Rejection Rate (only applies to VPASS reader)	n/a	n/a	1.0%	n/a
False Acceptance Rate (only applies to VPASS reader)	n/a	n/a	0.2%	n/a