Honeywell

iClass Biometric Reader



Fingerprint verification reader

Biometric technology analyses and measures certain biological characteristics of an individual to create a unique identifier which can be electronically stored and retrieved for positive identification.

The iClass™ biometric fingerprint reader verifies the identity of the card holder by checking if the fingerprint data stored on the card matches the fingerprint of the individual seeking access. When a card holder uses the card on the iClass biometric reader and the fingerprint has been validated by the biometric sensor, the card number programmed in the iClass / OmniClass card is sent to the access control device.

Enrollment is easy and without the need for software. The card holder's fingerprint template (data) is stored on the 16K16 iClass / OmniClass™ card and the enrolment process of the fingerpint is done by the reader. An administrator's enrollment card is used to store the fingerprint template on the user's card (up to two fingerprints can be stored). Once the fingerprint has been stored on the card, the card can be used immediately on other iClass biometric readers in the system too.

Due to the fingerprint being stored on the iClass / OmniClass card and not on a fingerprint database, extra RS485 data lines are not needed to connect multiple fingerprint readers for fingerprint template database sharing. This reduces the risk in having to share personal biometric data between databases.

The iClass biometric reader is easy to install and has been designed for indoor operation. The attractive housing contains the keypad and LCD display and an audible beeper can be heard to confirm every key press. A clear LED bar, controlled by the panel or module, indicates to the user if the card is valid in the access control system.

FEATURES

- Easy to install
- Available in wall mount and switch plate size
- ADA compliant built-in audible beeper
- Host LED control (programmable)
- Indoor use only
- Wiegand output for new and retrofit installations
- Support for panels, such as:
  - NetAXS-123
  - NetAXS-4
  - PRO2200
  - PW6000
  - NS-2
  - N-1000
- Supports for access modules, such as
  - Galaxy DCM (Door control Module)

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SPECIFICATIONS

	PRBIOCLAS-HW000
Dimensions	10.65 x 21.4 x 5.8 cm
iClass / OmniClass Credential Read Range	16k Smart (OKP2…) 10 cm Proximity and 16k Smart (OKH2…) 5 cm Key/tag Smart (OKK.../OKS...) 3 cm
ISO Support	15693: Reads iClass/OmniClass credentials, card serial number; 14443B: Reads iClass/OmniClass credentials (secure)
Key Length	64 bit secret key
Data Encryption	Available between card and reader
Housing Material	UL94 Polycarbonate
Fingerprint Sensor Type	Optical
Resolution	500 dpi, 256-bit grey scale, 18 x 22 mm sensor area
Timing	Card read < 0.5 sec Fingerprint capture < 2 sec, typical 1 sec Verification of captured finger < 1 sec
False Accept/Reject Rate	FAR < 0.01%, FRR < 0.01%
Regulatory Approvals	UL294/cUL, FCC, CE, RoHS
Operating Temperature	0ºC to 45ºC
Operating Humidity	5 to 95% relative humidity (non-condensing)
Operating Voltage Range	9 – 12 VDC
Current (@12VDC)	245mA avg, 299mA peak
Termination	Connector
Tamper Output	Available (Optical sensor)
Hold Wire input	Yes
Panel Interfaces	(All built-in) Wiegand, 26 bit only
Warranty	One year

ORDERING

iClass Biometric Reader

PRBIOCLAS-HW000	BioClass™ Wall and Switch Plate Mount Fingerprint Reader with Keypad and LCD, Black Bezel

Compatible OmniClass Series Credentials

OKP2N26	OmniClass 16K16 PVC Card (26-bit)
OKP2N34	OmniClass 16K16 PVC Card (34-bit)
PXKEYH16K1626	OmniClass 16K16 Key fob (26-bit)
PXKEYH16K16	OmniClass 16K16 Key fob (34-bit)

OmniClass Series Special Credentials

OKP2M26	OmniClass 16K16 PVC Card (26-bit) with Magnetic Stripe
OKP2M34	OmniClass 16K16 PVC Card (34-bit) with Magnetic Stripe
OKH2N26	OmniClass 16K16 PVC Card plus HID Prox (26-bit)
OKH2N34	OmniClass 16K16 PVC Card plus HID Prox (34-bit)
OKH2M26	OmniClass 16K16 PVC Card plus HID Prox (26-bit) with Magnetic Stripe
OKH2M34	OmniClass 16K16 PVC Card plus HID prox (34-bit) with Magnetic Stripe
OKS2N26	OmniClass 16K16 Sticker (26-bit)
OKS2N34	OmniClass 16K16 Sticker (34-bit)

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For more information:

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