OmniClass™

Contactless Smart Card Readers

OmniClass™ from Honeywell is a range of 13.56 MHz contactless secure smart card readers that offers superb reliability, consistent read range and ease of installation. They are available in several sizes and each OmniClass reader incorporates smart card technology allowing the user to support biometric profiles and multiple applications on each card simultaneously.

OmniClass can retro-fit any Wiegand output reader, including standard HID® or Honeywell proximity readers.

Smart card technology is ideally suited for access control, logical (PC) access, storage of biometric templates, parking, secure ID's with embedded tamper-proof digital photos, ePurse and many other applications requiring secure and reliable read/write cards.

The OmniClass reader range benefits include:

Application*: Faster response time between two consecutive card reads, so applicable for intrusion systems or integrated access control systems to arm an intrusion system or group with a triple swipe action at the reader.

Security: Card numbers for OmniClass/iClass credentials are safely stored and transmitted using 64-bit authentication keys encryption. Additional keypad versions are available.

Convenience:** Card numbers are printed on the OmniClass cards/credentials. Mifare Card Serial Numbers (CSN) also supported.

Easy to install*:** Two piece installation, only mounting plate and reader. Wiegand output for new and retrofit installations, indoor and outdoor.

Aesthetics: Black housing for mullion, wall and gangbox mount, with or without keypad. Bright illumination of the LED indicator.

FEATURES

- Supports multiple ISO standards: Allows OmniClass to read almost any ISO standard smart card. (Depending on card technology, may be limited to card serial number.)
- High-Security: Encrypted data exchange available between card and reader and between reader and host reduces the risk of compromised data and duplicated cards.
- Available in mullion, switch plate and wall-mount sizes

- ADA compliant built-in audible beeper
- Host LED control (programmable)
- Control cards can be used to manage security keys and change the operating characteristics of the reader
- Hidden mounting screws deter vandalism
- Potted for superior weather resistance
- Wiegand output

Important Notes about the OM70BHONC Long Range Reader

Please note that OM70BHONC:

* Does not support a fast response time between two consecutive card reads

** Does not support Mifare Card Serial Number (CSN)

*** Consists of a three piece installation with a terminal block for wiring

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SPECIFICATIONS

	OM30BHONCS	OM40BHONCS	OM45BHONCS	OM55BHONCS	OM70BHONC
Dimensions	4.8 x 10.3 x 2.3 cm	8.4 x 12.2 x 2.4 cm	8.4 x 8.4 x 2.3 cm	8.5 x 12.2 x 2.8 cm	30.5 x 30.5 x 3.2 cm
iClass / OmniClass credential Read Range					
2k Smart (OKP0...)	8.9 cm	12 cm	10 cm	10 cm	43-45 cm
16k Smart (OKP2…)	8.9 cm	12 cm	10 cm	10 cm	40-43 cm
Proximity and 16k Smart (OKH2…)	6 cm	9 cm	8 cm	8 cm	38-40 cm
Key/tag Smart (OKK.../OKS...)	3.8 cm	5 cm	5 cm	3 cm	22 cm
Mifare / *DesFire* credential Read Range					
Card Serial Number (CSN)	5 cm	6.4 cm	7 cm	5 cm	N/A
ISO support[2]	15693: Reads iClass/OmniClass credentials, card serial number; 14443B: Reads iClass/OmniClass credentials (secure)				
Additional ISO support[2]	14443A: Reads Philips MIFARE, *DESFire* credentials, card serial number (CSN)				N/A
Key Length	64 bit secret key				
Data Encryption	Available between card and reader				
Regulatory Approvals[3]	UL294/cUL, FCC, CE, RoHS				
Operating Temperature	-35ºC to 65ºC				-30ºC to 65ºC
Operating Humidity	5 to 95% relative humidity (non-condensing)				
Operating Voltage Range	5 - 16 VDC				12 - 24 VDC
Current (@12VDC)	55mA avg, 116mA peak	55mA avg, 121mA peak	55mA avg, 121mA peak	85mA avg, 116mA peak	420mA avg, 1300mA peak
Termination	9 wire 45 cm Pigtail				9 wire Terminal block
Tamper Output	Available (Optical sensor)				
Hold Wire input	Yes				
Panel Interfaces	(All built-in) Wiegand				
IP Rating	IP55				
Warranty	Limited Lifetime				

[1] Actual operating distance will vary depending on installation environment and proximity to metal.

[2] Certain ISO cards may only be able to read serial number. Please consult factory for exact compatibility.

[3] See Honeywell Security Group's Sales Policy for complete details.
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ORDERING

OmniClass Series Readers

OM30BHONCS	OmniClass Mullion Mount Reader, Black Bezel
OM40BHONCS	OmniClass Switch Plate, Single-gang (US) Reader, Black Bezel
OM45BHONCS	OmniClass Switch Plate, Single-gang (UK/EU/Asian) Reader, Black Bezel
OM55BHONCS	OmniClass Reader with Keypad, Black Bezel
OM70BHONC	OmniClass long range reader

OmniClass Series Credentials

OKP0N26	OmniClass 2K2 PVC Card (26-bit)
OKP0N34	OmniClass 2K2 PVC Card (34-bit)
OKP2N26	OmniClass 16K16 PVC Card (26-bit)
OKP2N34	OmniClass 16K16 PVC Card (34-bit)
OKK2N26	OmniClass 16K16 Key fob (26-bit)
OKK2N34	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)

For more information:

www.honeywell.com/security/uk

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