Honeywell

OmniClass™

Contactless Smart Card Readers

Honeywell's latest series of affordable contactless smart card readers continue to be optimized for access control applications. OmniClass™ readers, which build upon the convenience and reliability of prox technology, add many valuable features including enhanced 64-bit security, encryption options, ability to read almost any ISO contactless smart card, multi-application support and more.

OmniClass readers offer superb reliability, consistent read range and ease of installation. They are available in multiple sizes and read ranges. OmniClass readers are available in black with 18" pigtail wiring. OmniClass also provides the enhanced capabilities of smart card technology allowing you to support biometric profiles and multiple applications on each card simultaneously. OmniClass solutions can retro-fit any Wiegand output readers, 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 more applications requiring secure and reliable read/write cards.

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 and switch plate 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

	PROX (125 kHz)	SMART (13.56 MHz)
Suitable for Basic Access Applications: • Support for site and card codes • Price competitive	✓	✓
More Open: • Support for global standards (ISO...) • Interoperability between vendors & applications		✓
More Secure: • Stronger security via long keys, encrypted communication and mutual authentication • Unique card serial number		✓
More Storage Space: • Memory onboard to store data for other applications		✓

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SPECIFICATIONS

	OM30	OM40	OM45	OM55
Dimensions	1.90 x 4.04 x 0.80 in. 4.83 x 10.26 x 2.03 cm	3.30 x 4.80 x 0.85 in. 8.38 x 12.19 x 2.16 cm	3.30 x 3.30 x 0.75 in. 8.38 x 8.38 x 1.91 cm	3.30 x 4.80 x 0.93 in. 8.38 x 12.19 x 2.36 cm
Max. Read Range[1]	3.0 in. (7.6 cm)	4.5 in. (11.4 cm)	3.0 in. (7.6 cm)	4.0 in. (10.1 cm)
Cable Distance to Host	500' (152m) max.			
ISO Standard Support[2]	15693: Reads Infineon MyD, TI Tag-it, Philips I-Code 14443A: Reads Philips MIFARE, DESFire, Ultralight, Infineon MyD 14443B: Reads PicoPass			
Key Length	64 bit secret key; 32 bit challenge; 32 bit response			
Data Encryption	Available between card and reader and between reader and host			
Regulatory Approvals[3]	UL/cUL, FCC, CE, Canada Radio, Australia			
Operating Temperature	-30ºF to 150ºF (-35ºC to 66ºC)			
Operating Humidity	5 to 95% relative humidity (non-condensing)			
Operating Voltage Range	10 - 16 VDC			
Current (@12 VDC)	61mA avg, 178mA peak	78mA avg, 234mA peak	78mA avg, 234mA peak	80mA avg, 253mA peak
Tamper Output	No	Tamper magnet		
Output Interfaces (all built-in)	Wiegand			
IP Rating	IP55			
Warranty	Limited lifetime warranty[2]			

[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 Systems Group's Sales Policy for complete details.

ORDERING

OmniClass Series Readers

OM30BHON	OmniClass Mullion Mount Reader, Black Bezel, 18" Pigtail
OM40BHON	OmniClass Switch Plate, Single-gang (US) Reader, Black Bezel, 18" Pigtail
OM45BHON	OmniClass Switch Plate, Single-gang (UK/EU/Asian) Reader, Black Bezel, 18" Pigtail
OM55BHON	OmniClass Reader with Keypad, Black Bezel, 18" Pigtail

OmniClass Series Credentials

OKP0N26	OmniClass 2K PVC Card (26-bit)
OKP0N34	OmniClass 2K PVC Card (34-bit)
OKP2N26	OmniClass 16K PVC Card (26-bit)
OKP2N34	OmniClass 16K PVC Card (34-bit)

OmniClass Series Credentials (cont'd)

OKP2M26	OmniClass 16K PVC Card (26-bit) with Magnetic Stripe
OKP2M34	OmniClass 16K PVC Card (34-bit) with Magnetic Stripe
OKH2N26	OmniClass 16K PVC Card plus HID Prox (26-bit)
OKH2N34	OmniClass 16K PVC Card plus HID Prox (34-bit)
OKH2M26	OmniClass 16K PVC Card plus HID {rox (26-bit) with Magnetic Stripe
OKH2M34	OmniClass 16K PVC Card plus HID prox (34-bit) with Magnetic Stripe
OKS2N26	OmniClass 16K Sticker (26-bit)
OKS2N34	OmniClass 16K Sticker (34-bit)
OKK2N26	OmniClass 16K Keyfob (26-bit)
OKK2N34	OmniClass 16K Keyfob (34-bit)

For more information: www.honeywellaccess.com

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