

## 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)
<b>Suitable for Basic Access Applications:</b> <ul style="list-style-type: none"> <li>• Support for site and card codes</li> <li>• Price competitive</li> </ul>	✓	✓
<b>More Open:</b> <ul style="list-style-type: none"> <li>• Support for global standards (ISO...)</li> <li>• Interoperability between vendors &amp; applications</li> </ul>		✓
<b>More Secure:</b> <ul style="list-style-type: none"> <li>• Stronger security via long keys, encrypted communication and mutual authentication</li> <li>• Unique card serial number</li> </ul>		✓
<b>More Storage Space:</b> <ul style="list-style-type: none"> <li>• Memory onboard to store data for other applications</li> </ul>		✓

# OmniClass™

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### SPECIFICATIONS

	OM30	OM40	OM45	OM55
<b>Dimensions</b>	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
<b>Max. Read Range<sup>1</sup></b>	3.0 in. (7.6 cm)	4.5 in. (11.4 cm)	3.0 in. (7.6 cm)	4.0 in. (10.1 cm)
<b>Cable Distance to Host</b>	500' (152m) max.			
<b>ISO Standard Support<sup>2</sup></b>	15693: Reads Infineon MyD, TI Tag-it, Philips I-Code 14443A: Reads Philips MIFARE, DESFire, Ultralight, Infineon MyD 14443B: Reads PicoPass			
<b>Key Length</b>	64 bit secret key; 32 bit challenge; 32 bit response			
<b>Data Encryption</b>	Available between card and reader and between reader and host			
<b>Regulatory Approvals<sup>3</sup></b>	UL/cUL, FCC, CE, Canada Radio, Australia			
<b>Operating Temperature</b>	-30°F to 150°F (-35°C to 66°C)			
<b>Operating Humidity</b>	5 to 95% relative humidity (non-condensing)			
<b>Operating Voltage Range</b>	10 - 16 VDC			
<b>Current (@12 VDC)</b>	61mA avg, 178mA peak	78mA avg, 234mA peak	78mA avg, 234mA peak	80mA avg, 253mA peak
<b>Tamper Output</b>	No	Tamper magnet		
<b>Output Interfaces (all built-in)</b>	Wiegand			
<b>IP Rating</b>	IP55			
<b>Warranty</b>	Limited lifetime warranty <sup>4</sup>			

<sup>1</sup>Actual operating distance will vary depending on installation environment and proximity to metal.

<sup>2</sup>Certain ISO cards may only be able to read serial number. Please consult factory for exact compatibility.

<sup>3</sup>See Honeywell Systems Group's Sales Policy for complete details.

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### ORDERING

#### OmniClass Series Readers

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

#### OmniClass Series Credentials

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

#### OmniClass Series Credentials (cont'd)

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

For more information: [www.honeywellaccess.com](http://www.honeywellaccess.com)

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