

OmniAssure™

Contactless Smart Card Readers



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

Honeywell's OmniAssure™ readers eloquently combine compliance with convenience. Their U.S. patent-pending flash-on-card design make OmniAssure readers the easiest to use in today's market. With flash-on-card, the reader's flash firmware can be easily updated to support changing government standards without removing the readers from the wall. With other smart card readers, the configuration cards only change parameter settings for the currently installed firmware.

OmniAssure readers can retrofit most standard Honeywell or Wiegand-output proximity systems. The readers also feature built-in-hardware to support future RS485 protocols and both the reading/writing of smart card credentials. This protects the OmniAssure solution for changing needs in the future.

Reader versions include smart card reader only, smart card reader plus keypad, fingerprint smart card reader, and a multi-technology smart card/prox reader. All wall-mount readers are sold as mullion with an optional U.S. gangbox (4S electrical box) mounting kit.

Compatible cards include:

- HSPD-12/FIPS 201 PIV II cards (endpoint and transition), low-medium assurance
- TWIC (Transportation Worker Identification Credential) cards
- FRAC (First Responder Authentication Cards)
- DoD CAC (Department of Defense Common Access Credentials)
- Open standard ISO14443 technologies (Mifare® Classic, DESFire®, and SmartMX®)
- 125 kHz HID® Prox

Configurable output formats and protocols include:

- Wiegand
- Clock & Data
- ISO7811 Clock & Data ABA Track 2 emulation
- Serial (RS232/RS422/RS485)

FEATURES

- Flash-on-card to update reader firmware to evolving smart card standards
- Mullion and switch plate mounting
- ADA compliant built-in audible buzzer
- Two LEDs (red and green)
- Configuration 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 and terminal connection

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BENEFITS

Multi-Market Applicability

Suitable for both government and commercial use. Non-government users can take advantage of ISO14443 technologies without the burden of U.S. data structures and infrastructures. ISO14443 technologies support symmetric encryption for any data format required, including 26-bit and 34-bit Wiegand.

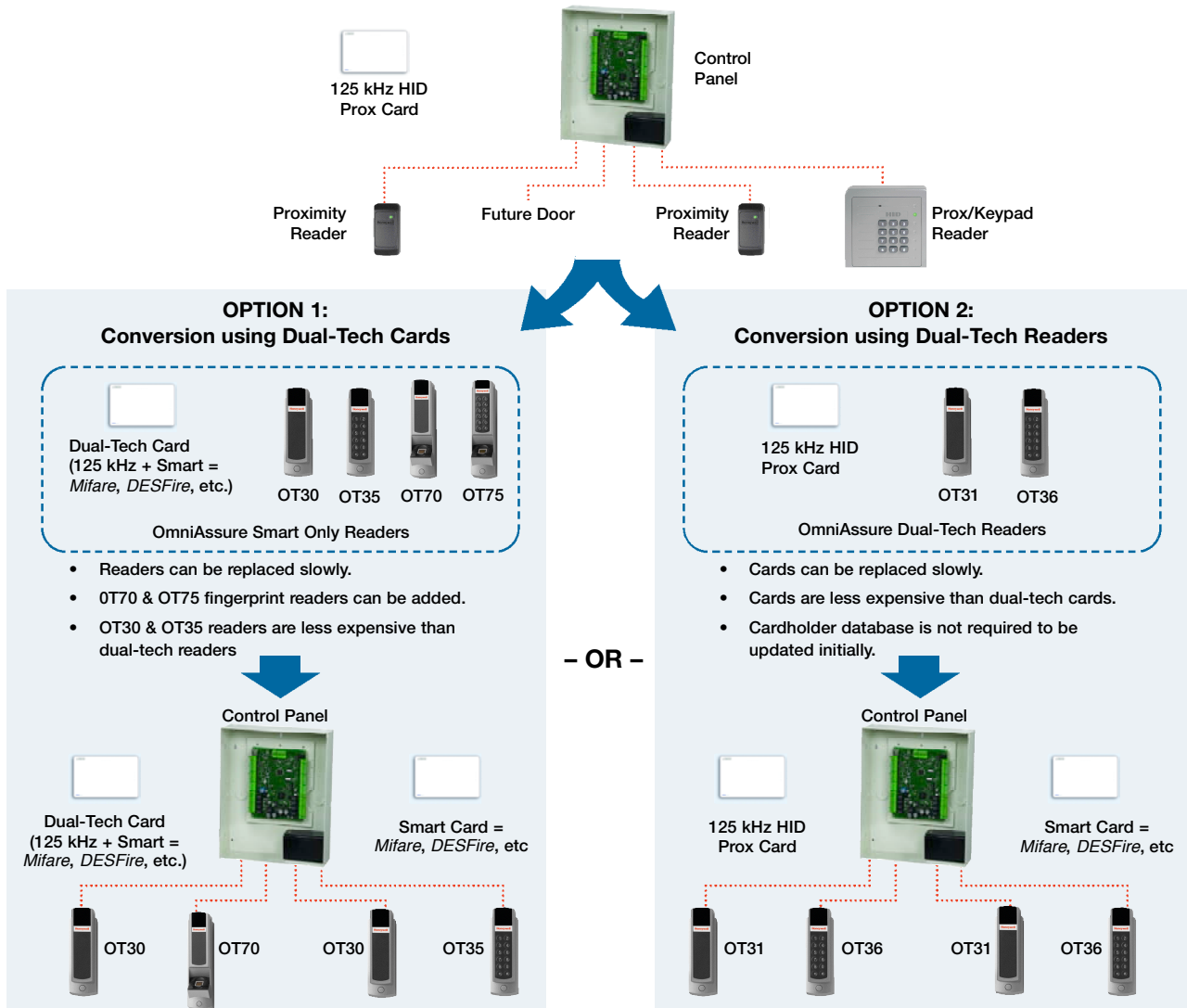
Multi-Technology = Transition Friendly

Multi-technology OmniAssure readers transition easily from 125 kHz proximity to smart card technologies by interchangeably reading 125 kHz proximity and contactless smart cards. In facilities with a large ratio of cardholders to readers, this approach is often more cost-effective than applying smart tags/stickers to 125 kHz proximity cards.

Standard Open

ISO14443 is open because Philips Semiconductor has sold Mifare® Classic chips to multiple reader manufacturers and has licensed DESFire and SmartMX technologies to multiple reader manufacturers. This ensures longevity of an ISO14443 solution with multiple sourcing options.

MIGRATION OPTIONS



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SPECIFICATIONS

	OT30, OT35 Smart Card	OT31, OT36 Smart Card + 125 kHz Prox	OT70, OT75 Smart Fingerprint
Dimensions	Mullion: 5.59 x 1.81 x 0.98 inch 14.2 x 4.62 x 2.5 cm U.S. gangbox: 5.59 x 2.87 x 1.1 inch 14.2 x 7.32 x 2.8 cm		Mullion: 7.58 x 1.99 x 1.69 inch 19.25 x 5.05 x 4.3 cm U.S. gangbox: 8.58 x 2.99 x 2.05" 21.8 x 7.6 x 5.2 cm
Compatible Cards	Mifare®, DESFire®, SmartMX®, PIV II, FRAC, DoD CAC, TWIC	Mifare, DESFire, SmartMX, PIV II, FRAC, DoD CAC, TWIC, HID® Prox	Mifare, DESFire, SmartMX
Max. Read Range¹ ISO 14443A Card (Mifare)	Up to 1.18 inch (3 cm)	Up to 0.43 inch (1.1 cm)	Up to 1.18 inch (3 cm)
ISO 14443B Card (DESFire, SmartMX)	Up to 1.18 inch (3 cm)	Up to 0.43 inch (1.1 cm)	Up to 1.18 inch (3 cm)
1326 ProxCard II Clam Shell	N/A	Up to 1.5 inch (4 cm)	N/A
1386 ISOProx® II PVC Card	N/A	Up to 1 inch (2.5 cm)	N/A
ISO Standard Support	14443A, 14443B		
Data Encryption	Available between card and reader and between reader and host		
PIN	4-bit burst, 8-bit burst		
Biometrics Number of Fingerprint Templates & Size	N/A		Up to 2 templates stored on smart card depending upon card type and fingerprint technology; 752 bytes for minutia; 350 bytes for user templates and records
Enrollment Time	N/A		< 3 seconds
Equal Error Rate (ERR)	N/A		0.1%; Adjustable
False Acceptance/ Rejection Rates	N/A		Adjustable
Verification Time	N/A		< 1 second
Regulatory Approvals²	UL/cUL, FCC, CE, Canada Radio*	UL/cUL*, FCC, CE, Canada Radio*	UL/cUL, FCC, CE, Canada Radio*
Operating Temperature	-4 to 140°F (-20 to 60°C)		32 to 140°F (0 to 60°C)
Operating Humidity	5 – 95% relative humidity, non-condensing		30-80%, non-condensing
IP Rating	IP67 if connector is sealed		IP42, Indoor use only
Operating Voltage Range	4.5 – 16 VDC		8 – 24 VDC
Maximum Power Consumption	400 mA @ 5 VDC, 167 mA @ 12 VDC		417 mA @ 12 VDC, 208 mA @ 24 VDC
Tamper Output	Optional Tamper Switch Accessory		
Output Interfaces (all built-in)	Wiegand, Clock & Data, RS485/RS232/RS422		
Warranty³	Limited Lifetime	Limited Lifetime	2 years

¹ Actual operating distance will vary depending upon installation environment and proximity to metal.

² * = submitted/pending

³ See Honeywell Access Systems' Sales Policy for complete warranty details.

⁴ Fingerprints supported on Mifare and DESFire.

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ORDERING

OMNIASSURE SERIES READERS

Smart Card Only Readers:

OT30HONA	Supports PIV II, DESFire® SNR, Mifare® SNR
OT30HONAM	Supports Mifare Secure Sector, Mifare SNR
OT30SPEC	Custom configured

Smart Card plus 125 kHz HID Prox Readers:

OT31HONA	Supports PIV II, 125 kHz HID Prox
OT31HONAS	Supports DESFire SNR, Mifare SNR, 125 kHz HID® Prox
OT31HONAM	Supports Mifare Secure Sector, 125 kHz HID Prox
OT31SPEC	Custom configured

Smart Card plus Keypad Readers:

OT35HONA	Supports PIV II, DESFire SNR, Mifare SNR
OT35HONAM	Supports Mifare Secure Sector, Mifare SNR
OT35SPEC	Custom configured

Smart Card plus Keypad plus 125 kHz HID Prox Readers:

OT36HONA	Supports PIV II, 125 kHz HID Prox
OT36HONAS	Supports DESFire SNR, Mifare SNR, 125 kHz HID Prox
OT36HONAM	Supports Mifare Secure Sector, 125 kHz HID Prox
OT36SPEC	Custom configured

Smart Card plus Fingerprint Readers:

OT70HONA	Supports DESFire SNR
OT70HONAS	Supports Mifare SNR
OT70HONAM	Supports Mifare Secure Sector
OT70SPEC	Custom configured

Smart Card plus Keypad plus Fingerprint Readers:

OT75HONA	Supports DESFire SNR
OT75HONAS	Supports Mifare SNR
OT75HONAM	Supports Mifare Secure Sector
OT75SPEC	Custom configured

OMNIASSURE SERIES CREDENTIALS

DESFire Credentials:

ODP4N00	Unprogrammed DESFire 4K PVC Card
ODP4M00	Unprogrammed DESFire 4K PVC Card with Unencoded Magnetic Stripe
ODP4N0026	Unprogrammed DESFire 4K, Programmed 26-bit HID Prox PVC Card
ODP4M0026	Unprogrammed DESFire 4K, Programmed 26-bit HID Prox PVC Card with Unencoded Magnetic Stripe
ODP4M0034	Unprogrammed DESFire 4K, Programmed 34-bit HID Prox PVC Card
ODP4M0034	Unprogrammed DESFire 4K, Programmed 34-bit HID Prox PVC Card with Unencoded Magnetic Stripe

Mifare Credentials:

OFP1N00	Unprogrammed Mifare 1K PVC Card
OFP1M00	Unprogrammed Mifare 1K PVC Card with Unencoded Magnetic Stripe
OFP4N00	Unprogrammed Mifare 4K PVC Card
OFP4M00	Unprogrammed Mifare 4K PVC Card with Unencoded Magnetic Stripe
OFP1N0026	Unprogrammed Mifare 1K, Programmed 26-bit HID Prox PVC Card
OFP1M0026	Unprogrammed Mifare 1K, Programmed 26-bit HID Prox PVC Card with Unencoded Magnetic Stripe
OFP4N0026	Unprogrammed Mifare 4K, Programmed 26-bit HID Prox PVC Card
OFP4M0026	Unprogrammed Mifare 4K, Programmed 26-bit HID Prox PVC Card with Unencoded Magnetic Stripe
OFP1N0034	Unprogrammed Mifare 1K, Programmed 34-bit HID Prox PVC Card
OFP1M0034	Unprogrammed Mifare 1K, Programmed 34-bit HID Prox PVC Card with Unencoded Magnetic Stripe
OFP4N0034	Unprogrammed Mifare 4K, Programmed 34-bit HID Prox PVC Card
OFP4M0034	Unprogrammed Mifare 4K, Programmed 34-bit HID Prox PVC Card with Unencoded Magnetic Stripe

OMNIASSURE MISCELLANEOUS PARTS

IEMOUNT	U.S. gangbox mounting kit for OT30, OT31, OT35, OT36 models
IEMOUNT2	U.S. gangbox mounting kit for OT70, OT75 models
IETAMPER	Tamper switch accessory for all readers

SNR = Serial Number.

OmniAssure™ is a trademark of Honeywell International Inc.

Mifare®, DESFire®, and SmartMX® are trademarks of Philips. HID®, HID® Prox and ISOProx® are trademarks of HID Global.

For more information: www.honeywellaccess.com

Honeywell Security

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