OMNI ARCH READERS

RFID, NFC and Bluetooth® Access Control

Introducing the Honeywell Omni Arch series of access control readers, created in partnership with STiD, which combine secure RFID, NFC (HCE) and Bluetooth® readers into one sleek and attractive modular solution with both flexibility and simplicity.

MODULAR AND SCALABLE

Intuitive and dynamic, the Omni Arch reader solution contains six interchangeable modules based on an intelligent RFID core (Bluetooth optional) to which various interchangeable modules are connected: card reader, keypad, 1D and 2D code reader (QR Code) or 125 KHz reader to facilitate technological migrations. This easy and cost-saving modular approach provides the ability to upgrade all the features and security levels of your inventory of readers and manages access points security autonomously while helping optimize inventory by reducing the number of parts needed by up to 40 %.

Omni Arch base high-frequency readers

Omni Arch readers with low-frequency prox module. Prox module can be purchased separately

Omni Arch Readers with QR Code reader module. QR Code module can be purchased separately

Honeywell

Omni Arch Readers Technical Specifications

FLEXIBLE AND UPGRADEABLE CONFIGURATIONS

15 possible configurations

1 unique RFID* core, 3 interchangeable facades, 1 biometric sensor, one 1D & 2D code reader (QR Code)** and two 125 kHz module**

*Optional Bluetooth °, **MIFARE° & Bluetooth ° versions

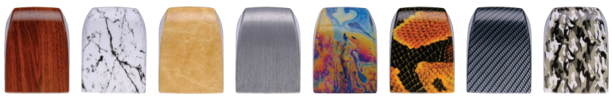
With the Bluetooth® option, choose your identification modes to make access controls both secure and much more instinctive.

Card Mode | Slide Mode | Tap Tap Mode | Remote Mode | Hands-Free Mode | Voice Command

- Easy-to-manage extensions, upgrades and technology migrations
- Readers available in the following versions:
  - MIFARE®: Classic™ EV1, Ultralight™, Plus™ & Plus™ EV1, DESFire® 256, EV1, EV2 & EV3, NFC (HCE)
  - iClass™** (CSN), Orange Pack ID, Bluetooth®, 125 kHz (EM, HID Proximity®)
  - Crosspoint®, AWID, IoProx, Indala®27 bits depending on prox module)
  - Honeywell Quadrakey™
- ISO14443A / ISO15693 / LEGIC® RF Standard – read for LEGIC® Advant and Prime chips, CSN for all
- MIFARE® range, iClass™**, PicoPass™ and Inside™ cards

STYLISH, ELEGANT AND CUSTOMIZABLE UPGRADES

- Clean, pure lines to fit into any décor.
- Elegant day or night with inset, multi-colored, high-intensity LEDs
- Customizable options to tailor readers to a specific decor



Customizable skins and LED lights

Casing colors to match your corporate decor

Omni Arch Readers Technical Specifications

TABLE 1. READER SPECIFICATIONS			
Feature	**MIFARE® Version**	**Bluetooth® Version**	**LEGIC® Version**
Operating frequency/standards	13.56 MHz – ISO14443 A & B, ISO18092 (NFC) Bluetooth® (according version)		13.56 MHz – ISO14443A, ISO15693 LEGIC® RF Standard
Chip compatibility	Cards RFID MIFARE Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® & Plus® EV1, MIFARE® DESFire® 256, EV1, EV2 & EV3, NFC (HCE), SMART MX, CPS3, iCLASS™** (CSN only), PicoPass® (CSN only) STid Mobile ID® virtual cards (Bluetooth® version), Orange Pack ID		LEGIC® Advant & Prime / CSN MIFARE® Ultralight® & Ultralight® C, Classic & Classic EV1, Plus® & Plus® EV1, DESFire® 256, EV1 & EV2, iCLASS™** PicoPass®, Inside®
Functions	Read-only CSN, secure (file, sector) or secure protocol (Secure Plus) Secure read-write		Read-only CSN or secure (segment) Secure read-write
Communication interfaces & protocols	TTL clock and data (ISO2) or Wiegand (encrypted option - Sx1) output RS-485 output (encrypted option - Sx3) with secure communication protocols SSCP V1 & V2; OSDP V1 (unencrypted communication) and V2 (SCP secure communication) RS-232 output available in MIFARE® version only EasySecure compatible interface/transparent interfaces in MIFARE® version only		TTL/RS-232: Clock and data (ISO2), Wiegand or RS-232 (SSCP protocol) TTL/RS-485: Clock and data (ISO2), Wiegand or RS-485 (SSCP protocol)
Reading distances	Up to 8 cm [3.15 in] with a DESFire® EV2 card	Up to 8 cm [3.15 in] with a DESFire® EV2 card	Up to 8 cm [3.15 in] with a LEGIC® Prime card Up to 6 cm [2.36 in] with a LEGIC® Advant card
Secure EAL5+ storage	-	Yes	-
Light indicators	2 RGB LEDs – 360 colors; configuration by card (standard or virtual with STiD settings application), software or external command (0 V) according to the interface		2 RGB LEDs – 360 colors Software-configuration or External command (0 V)
Audio indicator	Internal buzzer with adjustable intensity Configuration by card (standard or virtual with STiD settings application), software or external command (0 V) according to the interface		Internal buzzer Software-configuration or external command (0 V)
Power requirement	Max. 130 mA/12 Vdc	Max. 130 mA/12 Vdc	Max. 130 mA/12 Vdc
Power supply	7 Vdc to 28 Vdc	7 Vdc to 28 Vdc	7 Vdc to 28 Vdc
Connections	10-pin plug-in connector (5 mm [0.2 in]) 2-pin plug-in connector (5 mm [0.2 in]: O/F contact – tamper detection signal		
Material	ABS-PC UL-V0 (black)/ASA-PC-UL-V0 UV (white)		
Dimensions (h x w x d)	107 mm x 80 mm x 26 mm [4.21 in x 3.15 in x 1.02 in]		
Operating temperature	- 30°C to 70°C [- 22°F to 158°F]; Humidity: 0 % to 95 %		
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patented) and/or message to the controller		
Resistance/protection	IP65 level – weather-resistant with dust and water-proof electronics (CEI NF EN 61086 homologation) IK10 certified and reinforced vandal-proof structure		
Mounting	Wall mount/flush mount (European & American); Compatible with any surfaces and metal walls		
Certifications	CE (Europe), FCC (USA), IC (Canada) and UL		CE (Europe)

Omni Arch Readers Technical Specifications

TABLE 2. KEYPAD SPECIFICATIONS			
Feature	**MIFARE® Version**	**Bluetooth® Version**	**LEGIC® Version**
Keypad	Capacitive touch keypad – 12 configurable backlit keys Configuration by card (standard or virtual with STiD settings application) or software according to the interface		Capacitive touch keypad 12 configurable backlit keys, activated/deactivated by software
Dimensions (h x w x d)	107mm x 80 mm x 26 mm [4.21 in x 3.15 in x 1.02 in]		
Operating temperature	-30°C to 70°C [- 22°F to 140°F] Humidity: 5 % to 90 %		
Resistance/protection	Weather-resistant with dust and water-proof electronics (CEI NF EN 61086 homologation) IK08 certified and reinforced vandal-proof structure/high-resistant laser marking of keys		

TABLE 3. 125 KHZ PROX SPECIFICATIONS			
Feature	**MIFARE® Version**	**Bluetooth® Version**	**LEGIC® Version**
125 kHz card reader	HONARCPROXMOD version: EM42xx / EM4x50; Quadrakey®, HID Proximity®, Indala® (Wiegand 27 bits only); IoProx® ; AWID®		
Dimensions (h x w x d)	38,99 mm x 79,93 mm x 25,7 mm [1.49 in x 3.11 in x 0.98 in] (module only)		
Operating temperature	-30°C to 70°C [-22°F to 158°F] Humidity: 0 % to 95 %		
Resistance/protection	IP65 level – weather-resistant with dust and water-proof electronics (CEI NF EN 61086 homologation) IK10 certified and reinforced vandal-proof structure		

TABLE 4. QR CODE FUNCTION/1D & 2D SPECIFICATIONS			
Feature	**MIFARE® Version**	**Bluetooth® Version**	**LEGIC® Version**
1D& 2D code technologies	QR Code/Micro QR Code, Datamatrix, Aztec, Code 128		
Dimensions (h x w x d)	62,42 mm x 80 mm x 35,74 mm [2.45 in x 3.14 in x 1.38 in] (module only)		
Operating temperature	-30°C to 70°C [-22°F to 140°F] Humidity: 5 % to 90 %		
Resistance/protection	IP65 level – weather-resistant with dust and water-proof electronics (CEI NF EN 61086 homologation) IK08 certified and reinforced vandal-proof structure		

TABLE 5. ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
HONARC1	ARC1S/BT mullion reader – OSDP – secure storage EAL5+ – RS-485 interface – 3 m cable
HONARCA	ARCS-A/BT – standard reader – OSDP – secure storage EAL5+ – RS-485 interface
HONARCB	ARCS-B/BT – keypad reader – OSDP – secure storage EAL5+ – RS-485 interface
HONARCPROXMOD	125 kHz multi-technology module for Architect & Architect Blue reader
HONARCQRBCMOD	Architect® & Architect® Blue QR code/barcode module
HONARC-USB-485-CBL	USB to RS-485 converter for HONARC
HONARCB_RAINCOVER	Rain cover for keypad reader
HONARCA-SHIELD	SHIELD ARC-A
HONARC1-SHIELD	Shield for ARC1 reader
HONARC1-TBLOCK	TBLOCK_ARC1
HONARC1-SPACER	ARC1 stackable spacer
HONARCA/B-SPACER	ARC stackable spacer, black
HONARCS-ENCODER	Reader/encoder, BLE
HONARCS-ENCODER-HON	Reader/encoder, BLE Honeywell key
HONARCAPHON	ARCA+125mod, 13.56, BLE, QK, OSDP, Honeywell DESfire key
HONARCAQHON	ARCA+QRmod, 13.56, BLE, OSDP, Honeywell DESfire key
HONARCAHON	ARCA, 13.56, BLE, OSDP, Honeywell DESfire key
HONARCAPWHON	ARCA+125mod, 13.56, BLE, QK, Weig, Honeywell DESfire key
HONARCAQWHON	ARCA+QRmod, 13.56, BLE, Weig, Honeywell DESfire key
HONARCAWHON	ARCA,13.56, BLE, Weig, Honeywell DESfire key
HONARCBPHON	ARCB+125mod, 13.56, BLE, KP, QK, OSDP, Honeywell DESfire key
HONARCBHON	ARCB,13.56, BLE, KP, OSDP, Honeywell DESfire key
HONARCBPWHON	ARCB+125mod, 13.56, BLE, KP, QK, Weig, Honeywell DESfire key
HONARCBWHON	ARCB, 13.56, BLE, KP, Weig, Honeywell DESfire key
HONARC1HON	ARC1S/BT mullion reader, OSDP, 3 m cable, Honeywell DESfire key
HONARCAHON	ARCS-A/BT – standard reader – OSDP, Honeywell DESfire key
HONARCAPW	ARCA+125mod, 13.56, BLE, QK, Weigand, empty key
HONARCBPW	ARCB+125mod, 13.56, BLE, KP, QK, Wiegand, empty key
HONARC1W	ARC1S/BT mullion reader, Wiegand, 3 m cable, empty key
HONARCMOB2499	Honeywell Blue mobile key 10-2499
HONARCMOB12499	Honeywell Blue mobile key 2500-12499
HONARCMOB125k+	Honeywell Blue mobile key 125000+

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