

HID Vento™ Card

A Simplified Approach to Security That You Can Trust

Introducing the HID Vento card, enabling secure access control deployment with the HID Vento reader.

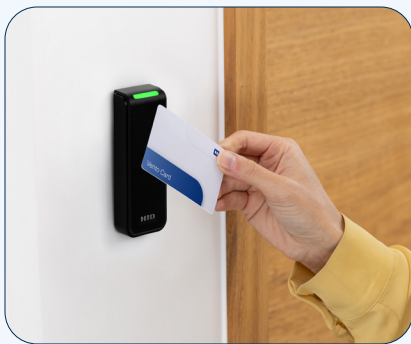
The HID Vento card offers an unbeatable combination of security, ease of installation and affordability. The HID Vento card is a simple, single application card, designed to be an economical solution for everyday implementations of secure physical access control.

Exclusively tailored for the Vento reader, the Vento card introduces a new era of simplicity, combining an HID managed secure format with streamlined functionality.

Convenient with just one part number required for ordering, Vento makes it easy to ensure effortless deployment.

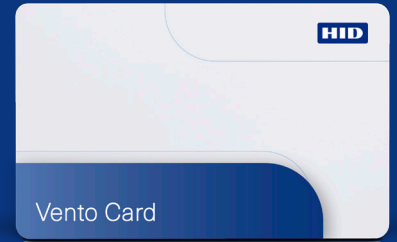
Each card is fortified with a factory-issued 32-bit, non-repeating ID, safeguarded using AES128 encryption. The Vento card offers security with ease of use and ordering.

Discover the future of access control with Vento — security made smarter, simpler and stronger.



HID VENTO

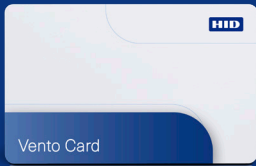
- Simple
- Secure
- Convenient



KEY BENEFITS:

- Convenient and cost-effective
- HID managed ID number — With a pre-programmed ID number, no need to understand complex format management
- Simplified order management — Single, simple part number, packaged in a 100-unit box
- Secure — AES128 based security, resistant to cloning
- Easy deployment — Tap and enroll users into the access control system using the pre-programmed 32-bit ID

HID Vento Card



HID VENTO CARD FEATURES:

- Designed for the HID Vento reader
- High security
 - AES128 based encryption
- Managed 32-bit format
 - built-in secure, unique 32-bit ID number
- Not externally marked

HID Vento Card

Part Number	100PGGNN (Box of 100)
Operating Frequency & Protocol	13.56MHz (Based on ISO15693)
Security	AES128 encrypted 32-bit ID number
Data Format¹	Built-in secure 32-bit binary ID number
Read Range²	Up to 8 cm
Material	PVC
Weight	~20 oz (550g) (Box of 100)
Product Dimensions	2.127"x 3.375" x 0.033" max (5.40 x 8.57 x 0.084 cm)
Operating Temperature	31° F to 122° F (-35 °C to + 50 °C)
Storage Temperature	31° F to 122° F (-35 °C to + 50 °C)
Chemical Resistance	The card can withstand exposure to salt water (5%), salt mist, acetic acid water (5%), carbonated sodium water (5%), sugared water (10%) and ethylene glycol (50%) for at least 24 hours.
Warranty	5 years
Environmental Compliance	RoHS, China RoHS, REACH, Halogen-free
Standards	ISO/IEC 7810, ISO/IEC 7816-1

1. 32-bit ID number range is managed by HID; cards are issued with a non-repeating, unique 32-bit value. Standard HID formats are not supported. Ensure the controller is configured to read all 32-bits to avoid duplication. Numbers are not contiguous.

2. HID testing occurs in open air. Some environmental conditions, including metallic mounting surface, can significantly degrade read range and performance; plastic or ferrite spacers are recommended to improve performance on metallic mounting surfaces. Spacers for Vento readers are available at hidglobal.com.



hidglobal.com

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Europe, Middle East, Africa: +353 91 506 900

Asia Pacific: +852 3160 9800 | Latin America: +52 55 9171 1108

For more global phone numbers click here

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2023-07-13-pacs-vento-credential-ds-en PLT-07363

Part of ASSA ABLOY

HID Vento™ Reader

An Easy Approach to Security That You Can Trust

Introducing HID Vento: the next generation reader for enhanced door access.

Discover the power of the HID Vento reader that enables effortless and secure door access using HID Vento credentials and simplified mobile access support. Built upon the customer value pillars of affordability, convenience and flexibility with enhanced security, HID Vento sets a new standard for access control in a competitive market.

As a cost-effective, multi-technology RFID & Bluetooth® Low Energy reader, HID Vento offers features that are carefully tailored to deliver exceptional value without compromising on security. Its streamlined installation process makes it the perfect choice for a wide range of premises with varying security needs. HID Vento offers a superior level of security compared to its competitors, ensuring peace of mind for your access control system.

Benefit from HID Vento's simplified ordering and management processes, making it easy to implement and maintain. Enhanced security with cost-effective HID Vento credentials are specifically designed to work only with HID Vento readers with an HID managed secure format.

Experience the advantages of HID Vento's secure, user-friendly access control solution and open the door to a seamless experience with mobile-ready readers.

Discover the future of access control with Vento — security made smarter, simpler and stronger.



HID VENTO

- Simple
- Versatile
- Cost-effective
- Secure



SRD model : 20

KEY BENEFITS:

- Affordable pricing
- Mobile-ready for seamless access
- Security with the HID Vento card support
- Single part number for easy order management
- Field configurable with HID Reader Manager
- Sleek, innovative design to suit modern architecture
- Trusted HID brand reliability

HID Vento Reader



HID VENTO READER FEATURES:

- Supports the HID Vento card
- High security – EAL 5+ certified Secure Element hardware
- Terminal connector
- 32-bit Wiegand output
- Audiovisual response to the HID Vento card
- Support for 32-bit CSN on MIFARE Classic & DESFire credentials

HID Vento Reader

Part Number	V20-V0-000000
2.4 GHz (Bluetooth) Credential Compatibility	Mobile credentials powered by Seos® (HID Mobile Access)
13.56 MHz Credential Compatibility	HID Vento card, 32-bit CSN MIFARE Classic & DESFire
Read Range¹	Up to 8 cm
Mounting	Suited for mullion-mount door installations or any flat surface mounting
Color²	Black bezel with Black baseplate
Dimensions (width x length x depth)	1.77 in x 4.78 in x 0.77 in 45 mm x 121.5 mm x 19.5 mm
Product Weight	2.65 oz (75 g)
Operating Voltage	12V DC
Current Draw³	NSC ⁴ : 60 mA Peak: 250 mA Max. Avg: 70 mA IPM ⁵ : 45 mA
Operating Temperature	14° to 140° F (-10° to 60° C)
Environmental Rating	UL294 outdoor and indoor rated, IP55
Communications & Panel Connection	Wiegand, OSDP
Device Management	HID Reader Manager
Certifications	UL294/cUL, INDIA (WPC / BIS), BRAZIL (ANATEL), UAE (TDRA), MALAYSIA (SIRIM), ARGENTINA (CNC), INDONESIA (SDPPI), MEXICO (NOM/NYCE/IFTEL), COLOMBIA (FCC), SINGAPORE (IMDA), THAILAND (SDoC), EGYPT (NTRA), SOUTH AFRICA (ICASA), CHILE (SUBTEL), PHILIPPINES (NTC), SAUDI ARABIA (CITC)
Security Ratings	EAL 5+ certified Secure Element hardware
Housing Materials	Polycarbonate – UL94 V0
UL Reference Number	20
Warranty	5 years

1. Read range listed is statistical mean rounded to nearest centimeter increment for ID-1 or clamshell credentials. HID testing occurs in open air. Form factor, technology and environmental conditions, including metallic mounting surface, can degrade read range performance; plastic spacers are recommended to improve performance on metallic mounting surfaces.

2. Reader spacers available as an additional accessory at an additional cost.

3. Measured in accordance with UL294 standards; see Installation Guide for details.

4. NSC – Normal Standby Current; see Installation Guide for details.

5. Intelligent Power Management (IPM) – Reduces reader current consumption up to 43%, based on model, compared to standard operating mode.



hidglobal.com

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Asia Pacific: +852 3160 9800 | Latin America: +52 55 9171 1108

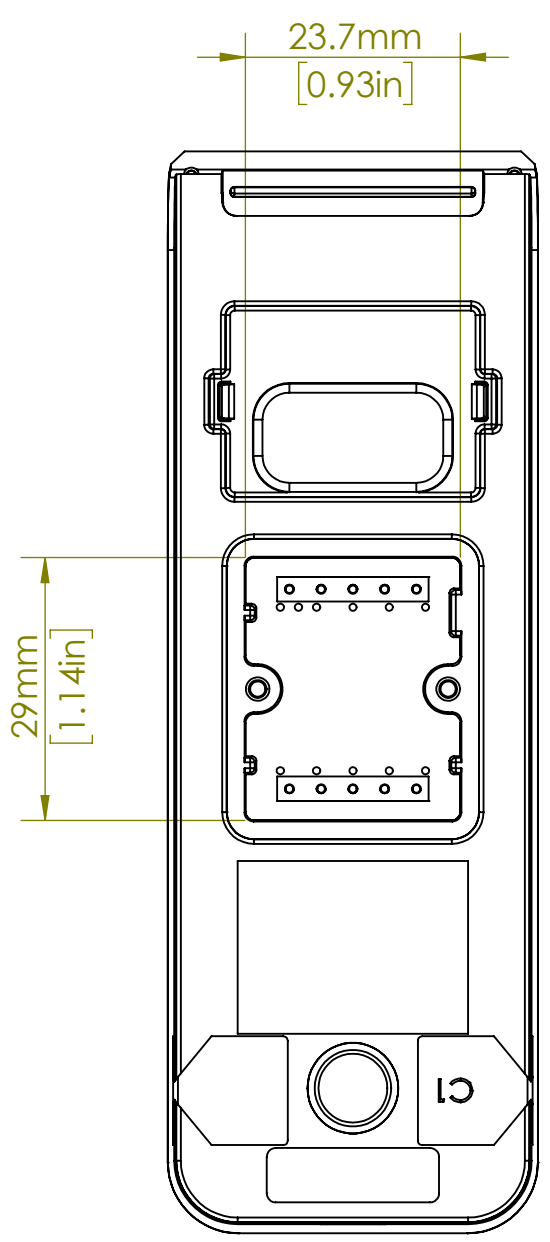
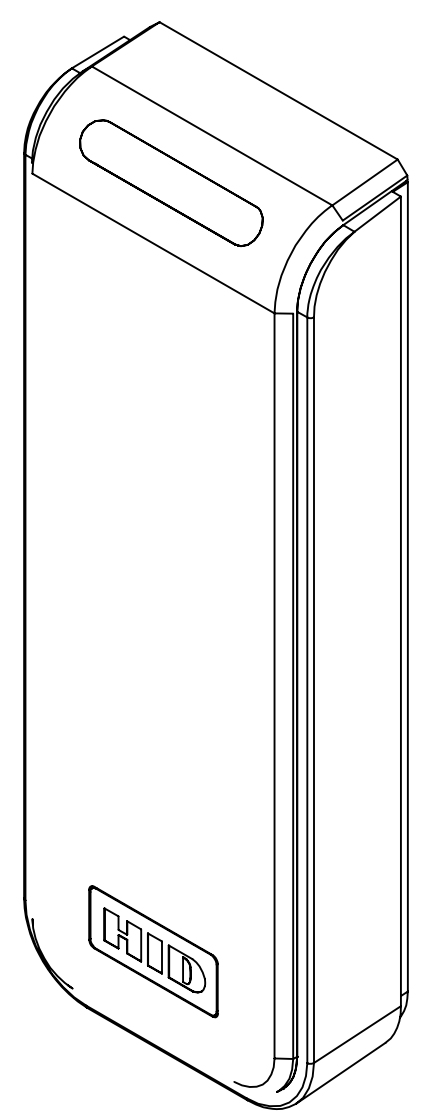
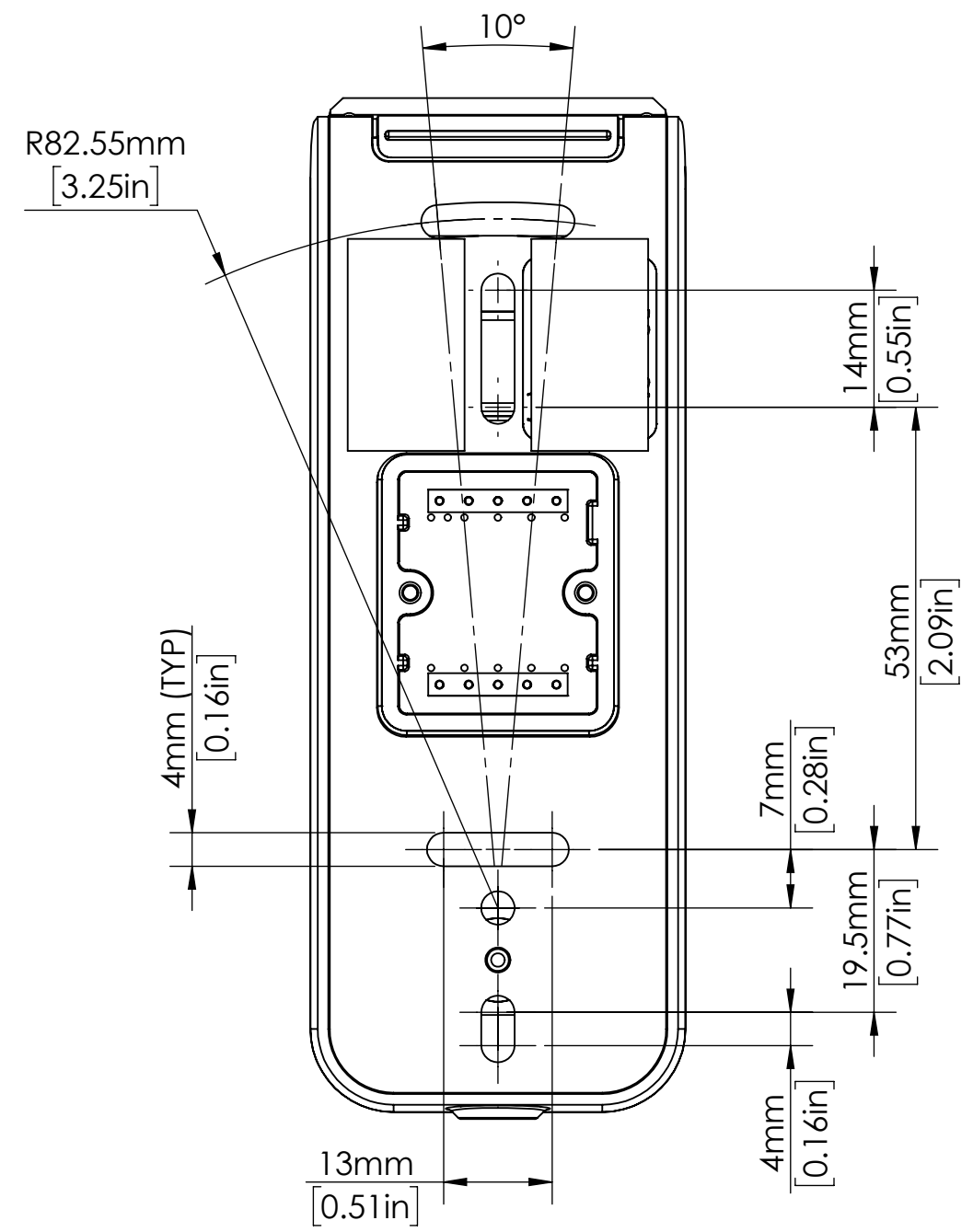
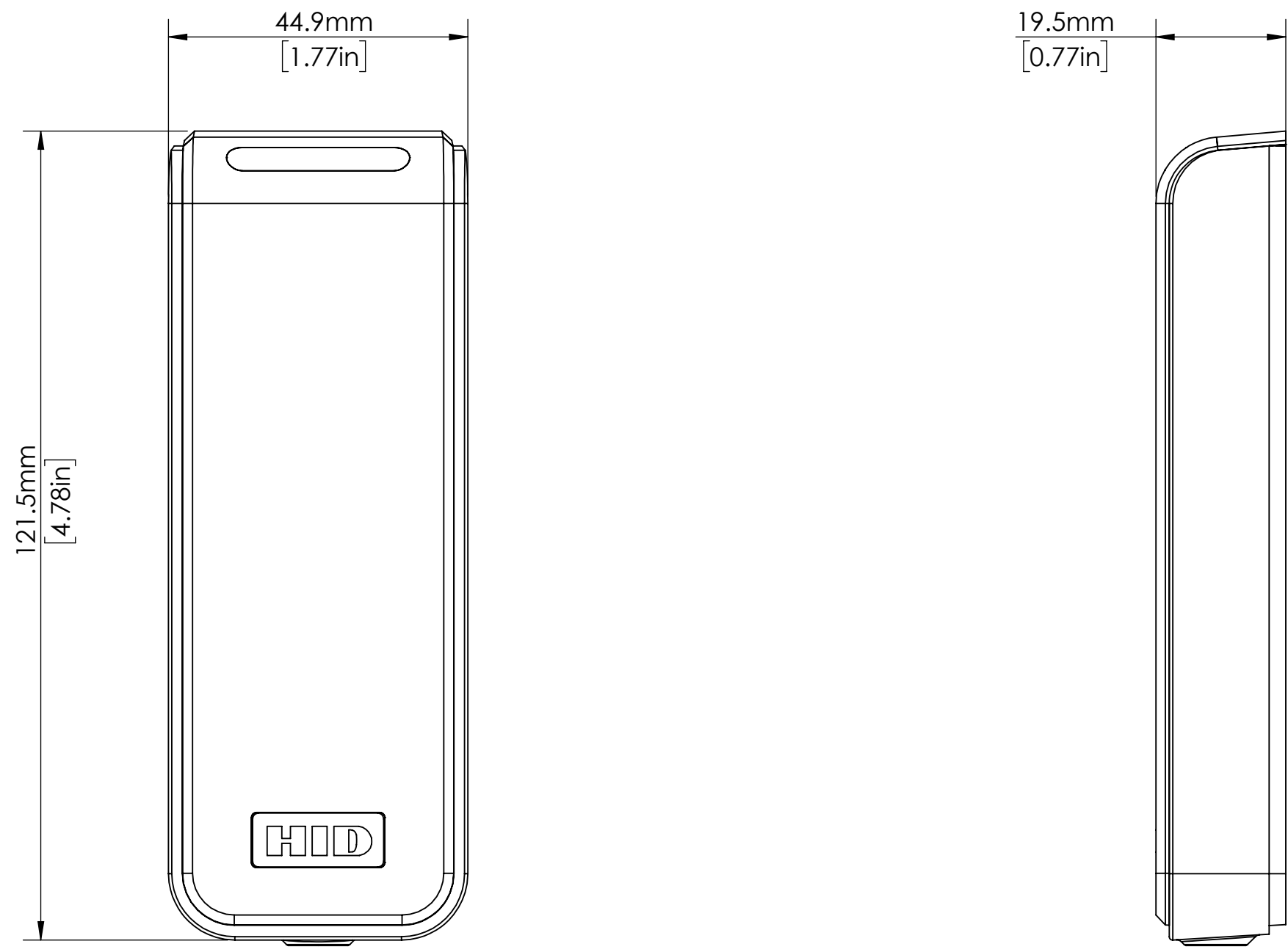
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2023-09-07-pacs-vento-reader-ds-en PLT-07364

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REVISION HISTORY				
REV	ECO	DESCRIPTION	NAME	DATE
A	DCN-35604	INITIAL RELEASE	MAL	25/07/23



WIRING TABLE	
FUNCTION	PIN CONNECTION
+VE POWER	1
GND_RET/DRAIN	2
DATA 1/CLK/485 A	3
DATA 0/DAT/485 B	4
INPUT 1 (GREEN LED)	5
BEEP	6
HOLD (BLUE LED)	7
INPUT 2 (RED LED)	8
TAMPER RLY 2	9
TAMPER RLY 1	10

NOTES:
1. DETAILS APPLY TO ALL COLOUR VARIANTS

PRODUCT WEIGHT
TERMINAL
70g

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	DRWN BY: MAL MATERIAL: N/A	DRWN DATE: 20/07/23 FINISH: N/A	
SIZE: C		DWG. NO.: SSD-05371	REV: A
SHEET 1 OF 1			

HID® Vento™ Solution

How to Order Guide

PLT-07284, Rev A.1
September 2023



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Contacts

For technical support, please visit: <https://support.hidglobal.com>.

What's new

Date	Description	Revision
September 2023	Updated the Adding Additional User Licenses information in the Ordering HID Vento Mobile Credential section.	A.1

A complete list of revisions is available in [Revision history](#).

HID Vento solution

HID Vento brings you a seamless and affordable access control solution, tailored to meet your needs. With select features carefully crafted to enhance security, while keeping it simple, HID Vento is the perfect fit for mid-sized organizations. Benefit from cutting-edge technology, like HID Mobile Access®, and essential features at a price that suits your budget.

HID Vento reader¹

Enables effortless and secure door access using HID Vento credentials and simplified mobile access support. Built upon the customer value pillars of affordability, convenience, and flexibility with enhanced security, Vento sets a new standard for access control in a competitive market.

Part Number	Description
V20-V0-000000	HID Vento reader, compatible with Vento physical credential (100PGGNN) and Vento mobile credential. 32-bit Wiegand output (Vento credentials), ISO14443A UID 32-bit Wiegand output. Terminal strip, with black body and black mounting plate.

Quantity
Minimum Order Quantity = 100

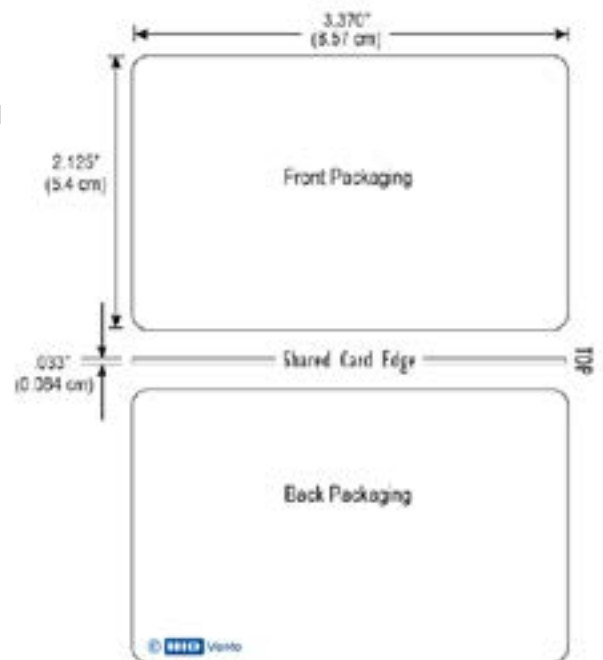


HID Vento card²

The HID Vento card is a simple, single application card, designed to be an economical solution for everyday implementations of secure physical access control.

Part Number	Description
100PGGNN	HID Vento PVC card, compatible with Vento reader (V10), 32-bit pre-programmed non-repeating ID number. Front, gloss, back gloss. No external marking, no slot punch. Box of 100

Quantity (Box of 100)
Minimum Order Quantity = 1 Box



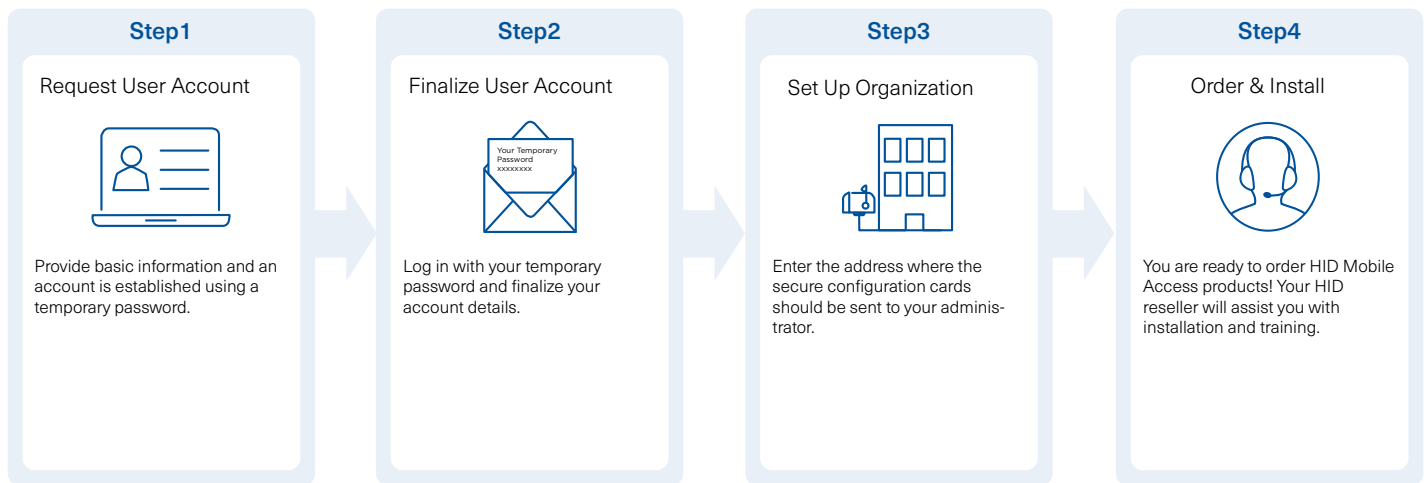
What is HID Vento Mobile Credential?

HID Vento Mobile Credential is delivered using HID Mobile Access and complements any access control solution by enabling building occupants to securely access the facility using Android and iOS mobile devices. HID Mobile Access, powered by Seos®, consists of the following components when used to deliver HID Vento Mobile Credentials:

- **HID ORIGO™ Management Portal:** A cloud-hosted management portal that allows administrators to manage users, devices, and securely issue/revoke Mobile IDs.
- **HID Mobile Access App:** Easily downloaded on [Google Play](#) and [Apple App Store](#) and proven compatibility with the most popular mobile phones, tablets, and wearables.
- **HID Vento Mobile ID:** Powered by Seos credential technology, HID Vento Mobile credential is the virtual equivalent of the HID Vento card.

Creating a HID Mobile Access user account

In order to use HID Mobile Access, an account in the HID Origo Management Portal is required. Once an end user account has been created, the organization will be able to order products from its Access Control Provider and issue Mobile IDs to its building occupants.



To set up an end-user account please go to <https://portal.origo.hidglobal.com/selfonboarding>

After user account creation, the administrator will be given organization-specific identifiers required for ordering and for secure portal access:

HID Vento Mobile Credential subscription

Features	HID Vento Mobile Credential Subscription
Format	Fixed ("VENTO") 32-bit sequential ID Number
ICE Key	Fixed (ICE1399)
# Credentials per user	1
# Devices per user	1
Tap	Yes
Twist & Go	No
Widget	No

Features	HID Vento Mobile Credential Subscription
NFC on iOS	No
Photo ID	Yes
Enterprise policy enforcement	No
Custom Data	No
Analytics	No
Custom invitation email	No
Credentials in Apple wallet	No



Ordering HID Vento Mobile Credential³

Order Type		Part Number	Description
Initial Order	When starting a one or three-year subscription for HID Origo Mobile Identities, an order for User Licenses must be placed. The service start date begins on the date the order is processed by HID. User Licenses will be valid for one or three years and the service term end date will be set to the last day of the month.	1-year subscription MID-SUB-T050 3-year subscription MID-SUB-T053	Org ID: Org Name: ICE: ICE1399 Subscription Start Date: (optional): (DD MMMM, YYYY)
Adding HID Vento Credentials	If, after initial onboarding account creation, a Vento credential order must be placed. Quantity should always be 1. There is no charge for this transaction as unlimited credentials are included with subscription user licenses.	MID-SUB-CRD	Org ID: Org Name: ICE: ICE1399 Format: VENTO
Renewal	When renewing a subscription for HID Origo Mobile Identities service, an order for User Licenses must be placed. A change in quantity or HID reseller will generate a new contract ID	1-year subscription MID-SUB-T050 3-year subscription MID-SUB-T053	Org ID: Org Name: ICE: ICE1399 Format: VENTO Contract ID: Renewal
Adding Additional User Licenses	To increase the number of User Licenses within a service term, an order for add-on licenses must be placed. These User Licenses will have a prorated price based on the number of whole months remaining in term. They will co-terminate and expire along with previously purchased licenses on the contract.	1-year subscription MID-SUB-T050-ADD 3-year subscription MID-SUB-T053-ADD	Org ID: Org Name: ICE: ICE1399 Format: VENTO Contract ID:
Changing Subscription mid-term	Please refer our terms and conditions here: https://www.hidglobal.com/legal/saas-terms-service For assistance, please contact your local customer service representative.		

¹ The HID Vento reader supports Vento physical cards, Vento mobile access credentials, and 32-bit ISO14443A (UID) output.

² The HID Vento physical credential uses a pre-programmed 32-bit, non-sequential, non-repeating ID and is compatible with HID Vento readers only. It is not possible to order Vento readers, physical credentials, or mobile access credentials using standard formats or other keysets.

³ The HID Vento mobile access credential uses a pre-programmed sequential non-repeating 32-bit ID number and is compatible with HID Vento readers only. It is not possible to order Vento mobile credentials with any other format or key.



Revision history

Date	Description	Revision
September 2023	Updated the Adding Additional User Licenses information in the Ordering HID Vento Mobile Credential section.	A.1
September 2023	Initial Release.	A.0



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PLT-07284, Rev. A.1

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SALES EMAILS

Subject line: It's time to modernize access control

Hi [First Name],

Maybe your organization is still using keys or mag stripes. Maybe there's no formal control at all, creating the risk of unauthorized access.

Now you can safeguard people and property with [HID Vento™](#) - simple, reliable access control.

- Designed for mid-size organizations
- Includes HID Mobile Access®
- Pricing that suits your budget

HID Vento is a straightforward combination of reader, cards and mobile credentials. You get the essential features for secure door access, premium features that save time and money, and the ease you expect from an industry leader.

I'd like to show you how HID Vento can bring you affordable peace of mind. I'll contact you shortly - or, to get started right away, please call me.

Kind regards,

[REP SIGNATURE]

Subject line: Access control, simplified

Hi [First Name],

Who can get into your building?

[HID Vento™](#) helps you control access, safeguarding people and property. It's a simple, reliable solution designed for mid-size organizations:

- Straightforward combination of reader, cards, and mobile access.
- Easy to purchase, install, and manage.
- Pricing to fit your budget.

With HID Vento, you have access to cutting-edge technology from an industry leader. And it's backed by a global warranty for further peace of mind.

See how you can manage security without the complexities, by visiting the [web page](#) - then contact us to get started.

Kind regards,

[REP SIGNATURE]