



Smarter Retail





Palm Secure POS

Unique “Palm Scan & Pay” Shopping Experience

Experience a more secure, better & faster POS
With KVC data and innovative design

Enhanced Functional Features

- Physical access control for visitors and staff
Improves buildings security.
- Time and attendance
Reduces employee fraud.
- Access to enterprise-wide IT systems
Removes the pressure of password resets.

Benefits

Why PalmSecure?

- Easy to use
- Contact less & hygienic
- Suitable for public use
- POS Payments
- Age Verification
- KYV database
- Loyalty & Reward programs

How PalmSecure works

1. Hand scanned with infrared light.
2. Palm vein structure captured and transformed.
3. Local matching with biometric template.
4. Biometric template securely stored.
5. Personal access is unlocked.

- Embeddable in all kinds of flat products, including laptops, copiers, printers, fax machines, access systems, and eventually even mobile phones



Overview

Experience Cashless like never before

PalmSecure provides a high level of accuracy, is easy to implement and uses - a non-intrusive and contactless reader. This ensures virtually no physiological user restrictions while proving to be extremely hygienic as no contact to the skin is required.

As veins are internal and have a wealth of differentiating features, attempts to forge an identity are extremely difficult, thereby enabling a high level of security.

Consumers can identify themselves and authenticate their payments simply by moving the palm of a hand over a near infra-red (NIR) sensor. There is no need to take out a credit card or enter a PIN, making the customer's hand the only payment method necessary.

The process begins with a simple registration of the customer's phone number, email, and card details. The pivotal step follows, where their palm's biometric data is recorded.

Once registered, the customer is all set to make payments in-store. At the payment terminal, similar to the ones used for card payments today, they present their hand. The system then verifies identity based on the hemoglobin flow through their veins, making it an incredibly secure and dynamic method



Specifications

Palm Secure POS

Reading System	Reading by near-infrared light
Scope of capture	Entire palm 35 to 70mm (Authentication)
Battery	Li-ion Battery, 3.8V/ 6000 mAh/ 22.8 Wh
Voltage of Power supply	4.4 to 5.4 V
Current consumption	00 mA (Max at normal-power mode) 900 mA (Max at high-power mode)
Power consumption	2.5 W (Max at normal-power mode) 4.5 W (Max at high-power mode)
Host interface	Cable Length included 1 m Max length supported is 4 m
Interface connector	Series "Micro-B" plug (with 5 pins)
Material of the surface of Sensor unit	Glass
Encryption method	AES (Length of cryptography key more than 128 bit)
Authentication rate	FRR: 1.00% (no retry) FAR: Below 0.00001%
Electro magnetic wave	standard VCCI ClassB, FCC ClassB, EN ClassB
Safety Standard	UL60950-1, EN60950-1
Environmental Regulation	Conforms to RoHS and WEEE
Dimensions	Width 29 x Depth 29 x Height 13mm
Weight	Below 12 g

Contact:

PALM AND OLA

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