



Putra Mandiri
Informatika

PMI-PA28

Palm Authentication Terminal



Palm Vein



5-12cm
Recognition Distance



Linux System



Time Attendance



Access Control



Fast
Recognition Speed



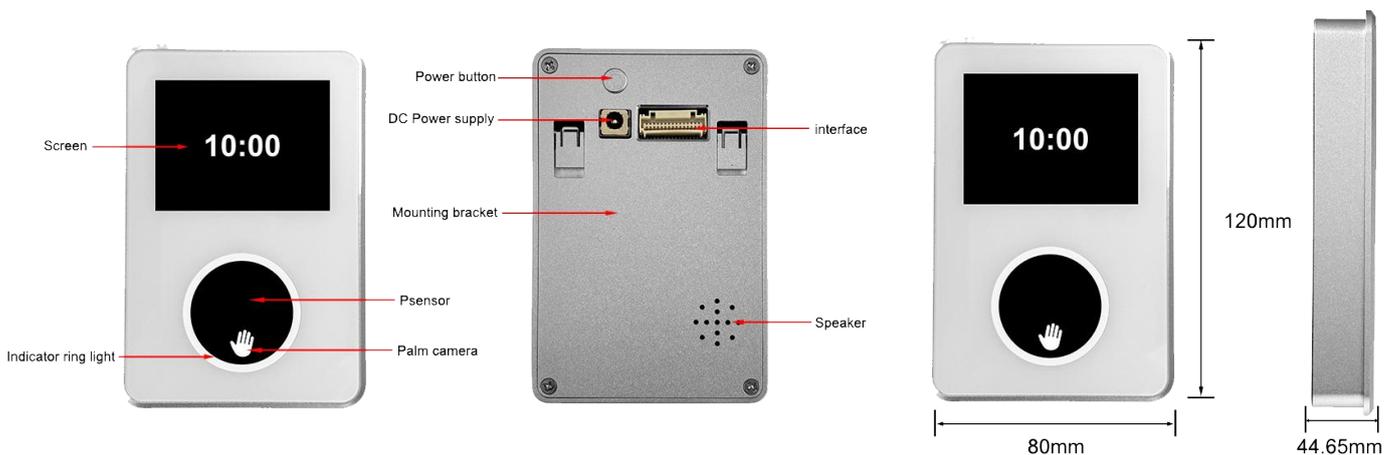
Pitch angles $\leq 30^\circ$
roll angles $\leq 30^\circ$
horizontal rotation angle $\leq 180^\circ$

PMI-PA28 is a high-performance palm vein recognition product. The device, designed based on an Palm camera architecture, is capable of capturing high-definition palm print and palm vein images. Based on the embedded high-performance AI module, the device is able to achieve rapid palm detection and Palm Vein AE.

Combined with local and cloud-based palm algorithms, the device can directly generate identity IDs, which enables functions such as palm-based control and identity verification.

Features

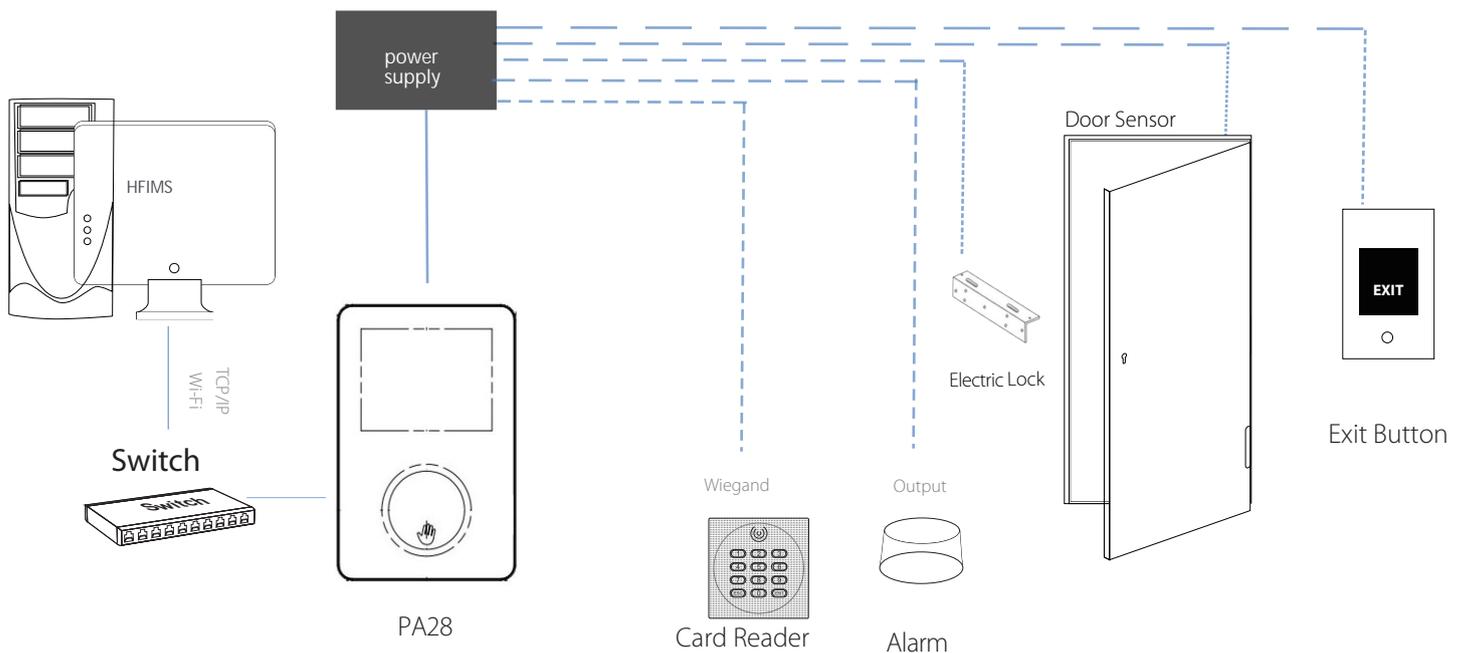
- 5cm-12cm distance range for palm vein recognition.
- Palm Vein proximity sensing.
- Quick palm vein scanning experience within seconds, compatible with multiple user scenarios.
- Screen, audio and indicator ring light for user interactions
- High security level, supporting a database with tens of thousands of entries
- Equipped with cloud service communication interface based on the HTTP protocol.



Specifications

Model	PA28
Dimensions	80mm*120mm*44.65mm
Camera	Palm Vein camera, supporting palm print and palm vein imaging
Operation System	Linux
Recognition Angle	Pitch angle 30°, roll angle 30°, horizontal rotation angle 180°
Database Capacity	Supports a database scale of up to tens of thousands, combining local and cloud-based recognition
Palm Vein Scan Distance	5-12cm
Psensor Sensing Distance	5-30cm
Screen	2.8-inch, touchable
Storage Module	EMMC: 4GB
Capacity	2W
Network	Supports Wi-Fi 11b/g/n 2.4G single band
Communication Interfaces	wiegand (26/34), relay, USB host, USB device, UART(RS232),Rj45
Power Supply	12V/2A
Firmware Upgrade	Supports OTA upgrade
Recognition Speed	Local recognition 600ms, excluding business processing time
Recognition Accuracy	98% (TAR) @ 1e-6 (FAR)
Working Temperature	0-55°
Working Humidity	Relative humidity : 0% -95%, no condensation
Storage Temperature	-20 °- 60 °
Storage Humidity	Relative humidity : 0% - 90% no condensation
Normal Operating Temperature Rise	Temperature rise of front glass cover < 20
ESD Rating	Contact discharge 8KV, air discharge 12KV
IP Rating	IP55 (front surface of the device)

Configuration



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