



Controller

Palm-ID Card specifications

Update: 25-01-2023

Recogtech Controller

Intel	PC Architecture
OS	Linux embedded
Secure platform	Linux programming (redhat), TPM 2.0, SSL encryption, encrypted RS485 data traffic
Data processing	Separated for access control and biometrics
Data on controller	No database, template on card, no storage of any personal data or biometrics
Type controller	Industrial Motherboard
Configuration	Stand alone, no network ability
Memory	8 GB RAM
Dimensions	85 mm – 130mm (width) x 110 mm (length) 55 mm (height)
Storage	32 GB SSD
Operating temperature	0-60 C
Humidity	5-90 NC
Power	12V DC (adapter 12 V included)
Ethernet	(only for support)
LED	LED interface
USB	RS 485 converter
USB	Palm Vein Scanner Fujitsu (PalmSecure)
Certifications	CE, FCC, RoHS

Fujitsu Sensor

Reading system	Near-infrared light pattern capture
Scope of capture	Entire palm
Temperature	0-60°C
Encryption	AES > 128 bit
Authentication rate	False Acceptance Rate: 0,00008%, False Rejection Rate: 0,01%
Electromagnetic wave standard	VCCI / FCC / EN- class B
Safety Standard	EN60950-1, UL60950-1, EN-55022:2006 class B, N55024:1998+A1
Environmental Regulation	Conforms to ROHS

Palm Scanner/Sensor/Card reader



SIC



SIC Controller

Dimensions	59x41,5x14 mm
Operating temperature	5-50 C
Humidity	5-95 RH NC
Power	12-24 VDC (feed from controller)
Interface	RS485
Output	Wiegand, OSDP, DeBus
Encryption	AES 128 bit

Card reader

Dimensions	38,5x76x9,6 mm (location inside sensor unit)
Operating temperature	-25 - 50°C
Humidity	5-95 RH NC
Power	12-24 VDC (feed from controller)
Card	Mifare Desfire EV (1,2,3) 4K or more
Interface	RS485
Output	DeBus
Encryption	AES 128 bit