

Fingerprint and Mifare card reader



- Fingerprint and Mifare card reader
- Up to 5.000 fingerprints
- Card reading range 3 to 10 cm
- RS485 communication
- Suitable for outdoors.

**Reference / Model****HYU-645 / HYU-645**

A group of messy code encrypted data for the security of fingerprint storage

Supports RS485 communication with 19200bps-N-8-1 transmission rate. There are CRC test for the protocol.

Supports EM card reading (DS-K1201EF)

Supports Mifare card reading (DS-K1201MF)

Card induction distance is 30mm to 100mm

Supports multiple authentication modes (card, fingerprint, and card + fingerprint)

Optical CMOS fingerprint module. The characters of fingerprint can be export to the card reader

Max. 5000 fingerprints storage

Adopts the optical fingerprint module, supporting 1:N mode (fingerprint, card + fingerprint) and 1:1 mode(card + fingerprint)

Fingerprint comparison time: 1:1≤1s, 1:1000≤1s; FRR≤0.01%, FAR≤0.001%

Communication circuit is designed with optical coupling isolation and noise suppression function

Build-in buzzer for status indication

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Accurate data and time display provided by built-in electronic clock and watchdog program to ensure the basic function of the terminal

Tamper-proof function.

Specs

32 bit high performance processor

Fingerprint capacity: Up to 5.000fingerprints

Comparison mode: 1:1 and 1:N

Comparison time: 1:1 <1 sec; 1:3000<1,5 sec

FAR (False acceptance rate): $\leq 0,001\%$

FRR (False rejection rate): $\leq 0,01\%$

Reconocedor de huella:Optical module

Mifare card supported

Induction distance:3 ~10 cm

Communication interface: RS485

Transmission speed: 19200bps-N-8-1

LED indicator for power and communication

Build in buzzer for status indication

Tamper proof function

IP65

Power supply: 12V DC($\pm 10\%$)

Working temperature-40°C ~ +70°C

Working RH: 10% ~ 90%,without condensation

Dimensions:62 x132 x44 mm

Surface mount