

## DS-K1201AEF Fingerprint Reader



- A group of messy code encrypted data for the security of fingerprint storage
- Supports RS-485 communication with 19200bps-N-8-1 transmission rate. There are CRC test for the protocol
- Supports EM card reading
- Card induction distance is 30 mm to 100 mm
- 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:  $1:1 \leq 1$  s,  $1:1000 \leq 1$  s;  $FRR \leq 0.01\%$ ,  $FAR \leq 0.001\%$
- Communication circuit is designed with optical coupling isolation and noise suppression function
- Built-in buzzer for status indication
- 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

## ▪ Specification

Interface	
TAMPER	1
Authentication	
Fingerprint module	Optical fingerprint module
Fingerprint comparing mode	1:1/1:N
Card type	EM card
General	
Power supply	12 VDC ± 10%
Power consumption	≤ 1.6 W
Working temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Working humidity	10% to 90% (no condensing)
Dimensions	62 mm × 132 mm × 44 mm (2.44" × 5.20" × 1.73")
Installation	Surface mounting
Buzzer	Support

**\*\* Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).**

**\*\* For device with fingerprint module, we suggest that do not install the device outdoors.**

## ▪ Available Model

DS-K1201AEF

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