

# DS-K1201 Series

## Fingerprint and Card Reader

DS-K1201 Series Fingerprint and card reader, designed with a 32 bit high-speed processor, contains the optical fingerprint recognition module. It communicates with access controller via the RS-485 protocol. And a built-in tamper-proof module helps to protect the card reader from malicious damage. The protective level is IP65, which is suited for outdoor installation.



### AVAILABLE MODEL

DS-K1201EF      EM Card No. Reading

DS-K1201MF      Mifare No. Reading

Recommended Fingerprint Recorder Model to Use Cooperatively: DS-K1F820-F

### MAIN FEATURES

- 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
- 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.

## SPECIFICATIONS

Model	DS-K1201EF	DS-K1201MF
Processor	32 Bit High-performance Processor	
FP Module	Optional Fingerprint Module	
FP Capacity	5000	
Reading Mode	Build-in EM/Mifare/Reading Module	
Communication Mode	RS-485	
Transmission Rate	19200bps-N-8-1	
FAR (False Acceptance Rate)	≤ 0.001%	
FRR (False Rejection Rate)	≤ 0.01%	
Comparison Mode	1:1/1:N	
Comparison Time	1:1 ≤ 1s; 1:3000 ≤ 1.5s	
LED Indicator	Power/Communication	
Prompt	Buzzer	
Alarm	Tamper Alarm × 1	
Induction Distance	30mm to 10mm	
Power Supply	12 VDC ± 10%	
Working Temperature	-40°C to 70°C (-40°F to 158°F)	
Working Humidity	10% to 90% (No Condensing)	
Dimension	62mm × 132mm × 44mm (2.44" × 5.20" × 1.73")	
Water-Proof Level	IP65	
Mounting Method	Surface Mounting	



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