

# DS-K1200 Series

## Fingerprint Card Reader

DS-K1200 Series is a kind of high-performance product, with a 32 bit high-speed processor. It communicates with access controller via the RS-485 protocol. And a built-in tamper-proof module helps to protect card reader from malicious damage. The protective level is IP65, which is suited for outdoor installation.



### AVAILABLE MODEL

DS-K1200EF EM Card and Fingerprint Reader

DS-K1200MF Mifare Card and Fingerprint Reader (Uses cooperatively with DS-K1F800-F Fingerprint Recorder)

### 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-K1200EF)
- Supports Mifare card reading (DS-K1200MF)
- Card induction distance is 0 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. 9500 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-K1200EF	DS-K1200MF
Processor	3.2 Bit High-performance Processor	
FP Module	Optional FP Module	
FP Capacity	9500	
Reading Mode	EM/Mifare Card	
Communication Mode	RS-485	
Transmission Rate	19200bps-N-8-1	
FAR	≤0.001%	
FRR	≤0.01%	
Comparison Mode	1:1/1:N	
Comparison Time	1:1≤1s; 1:1000≤1s	
LED Indicator	Power/Communication	
Prompt	Buzzer	
Alarm	Tampering Alarm *1	
Induction Distance	≤100mm (≤3.94")	
Power Supply	DC 12V±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")	
Protection Level	IP65	
Mounting Method	Surface Mounting	