

DS-K1T200EF/MF -C

IP-based Fingerprint Access Control Terminal



DS-K1T200EF/MF



DS-K1T200EF/MF-C

DS-K1T200 is a series of optical IP-based fingerprint access control terminals with multiple advanced technologies including fingerprint recognition, face detection, Wi-Fi, smart card recognition, LCD display screen, and picture capturing technology. It is designed with a 2.8-inch LCD display screen, and HD camera (2 MP optional). It is equipped with an optical fingerprint recognition module.

DS-K1T200EF

DS-K1T200EF-C (with Camera)

DS-K1T200MF

DS-K1T200MF-C (with Camera)

- Doorbell ringtone settings function.
- Touch mode and blue light display technique for keypad.
- Stand-alone settings for the terminal.
- 2.8-inch LCD display screen.
- Transmission modes of wired network (TCP/IP) and Wi-Fi.

- Face detection and picture capturing function implemented by built-in camera (2MP optional, only supports DS-K1T200EF/MF-C)
- Supports RS485 communication for connecting external card reader.
- Supports working as a card reader, and supports Wiegand interface and RS485 interface for accessing the controller.
- Max. 100,000 cardNo., Max. 300,000 access control events records , and Max. 9500 fingerprints storage.
- Adopts the optical fingerprintrecognizer module, supporting 1:N mode (fingerprint, card + fingerprint) and 1:1 mode (card + fingerprint).
- Supports multiple authentication modes (card, fingerprint, card + fingerprint, card + password, fingerprint + password, card + fingerprint + password, and so on.)
- Supports EM card reading (DS-K1T200EF/EF-C)
- Supports Mifare card reading, including card No. reading, and sector reading & writing (DS-K1T200MF/MF-C)
- Tampering detection, unlocking overtime alarm, invalid card swiping over times alarm, duress card alarm, and so on.
- Accurate data and time display provided by built-in electronic clock and watchdog program to ensure the basic function of the terminal.
- Data can be permanently saved after power-off.



Model Parameters	DS-K1T200EF/M-C
Processor	≥1GHz, 32 Bit High-performance Processor
Storage	256M Storage
Micro SD Card(Additional)	Max.32G, Built-in Micro SD Card
Operation System	Linux
Camera	2 MP (Optional)
Valid Card/ Swiping Record	100/300 thousand
Fingerprint Capacity	Max. 4750 People (Two Local Collected Fingerprint Templates for Each, Person, 9500 Fingerprints in Total)
Fingerprint Recognition Duration	1:1≤1s, 1:1000≤1s
FAR (False Accept Rate)	≤0.001%
FRR (False Rejection Rate)	≤0.01%
Fingerprint Recognizer	Optical Fingerprint Recognizer Module
Card Reading Mode	Supports EM card reading (DS-K1T200EF/EF-C) Supports Mifare card reading, including card No. reading, and sector reading & writing (DS-K1T200MF/MF-C)
Card Reading Frequency	EM Card (DS-K1T200EF/EF-C): 125KHz; Mifare Card(DS-K1T200MF/MF-C): 13.56MHz
External Card Reader	RS485 IC Reader
Communication Mode	TCP/IP, WIFI, RS-485, and Wigand 26/34 (under the card reader mode only)
Transmission Rate	TCP/IP, WIFI: 10/100Mbps Self-adaptive, RS-485: 19200 bps-N-8-1
Input Interface	Door Switch Key×1, Magnetic Door×1, Relay×1, Alarm×2
Output Interface	Doorbell×1, Relay×1
LCD Screen	320×240 LCD-TFT Display Screen
Key Board	16 Keys (0 to 9, F1, DEL, Switch Key, *, #, Doorbell)
LED Indicator	Power/ Communication
Audio	Loudspeaker
Power Supply	12VDC
Working Current	500mA (without Locks)
Working Temperature	-20°C to 65°C
Working Humidity	10% to 90% (No Condensing)
Certificate	CE, FCC
Dimension	122×142×27mm (4.8×5.6×1.1")
Weight	400g (0.88lb)