DS-K1T201AEF is an optical fingerprint access control terminal with multiple advanced technologies including fingerprint recognition, Wi-Fi, and LCD display screen. It is designed with a 2.8-inch LCD display screen. It is equipped with optical fingerprint recognition module (supporting 1:1 mode and 1:N mode), and supports offline operation.

- IP addresses conflicted alarm
- Supports uploading real-time events
- Gets offline events: Avoids events losing
- Touch mode and blue light display technique for keypad
- Stand-alone settings for the terminal
- 2.8-inch LCD display screen to display the time, the date, etc.
- Max. 100,000 valid card capacity, Max. 5000 fingerprint capacity, and Max. 300,000 access control events capacity
- Communication via wired network (TCP/TP) and Wi-Fi
- Supports ISUP 5.0 protocol for public network communication
- Supports multiple door opening modes (card, card + password, fingerprint, exit button, etc.)
- Supports RS-485 and Wiegand (26/34) communication for connecting the external card reader
- Applies authentications from the client to the device
- Supports Wiegand (26/34) interface and RS-485 interface for accessing the controller
- Tampering detection, unlocking overtime alarm, invalid card swiping over times alarm, forced opening door alarm, and duress card alarm
- Creates dismiss code for dismiss alarm
- 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
- Supports EM card reading
## Specification

### System
- **Operation system**: Linux

### Screen
- **Size**: 2.8-inch
- **Resolution**: 320 × 240
- **Type**: Display screen

### Audio
- **Audio output**: Loudspeaker

### Network
- **Wired network**: 100 M/1000 M self-adaptive
- **Wi-Fi**: Support
- **Communication protocol**: TCP/IP

### Interface
- **Network interface**: 1
- **RS-485**: 1
- **Wiegand**: 1
- **Lock output**: 1
- **Exit button**: 1
- **Door contact input**: 1
- **IO input**: 2
- **IO output**: 1
- **TAMPER**: 1
- **USB**: 1

### Capacity
- **Card capacity**: 100,000
- **Fingerprint capacity**: 5000
- **Event capacity**: 300,000

### Authentication
- **Card type**: EM card
- **Card reading frequency**: 125 KHertz
- **Card reading distance**: < 1 s
- **Card reading duration**: 0 to 5 cm

### Others
- **Power supply**: 12 VDC/2 A
- **Working temperature**: -30 °C to 60 °C (-22 °F to 140 °F)
- **Working humidity**: 10% to 90%
- **Dimensions**: 137 mm x 142 mm x 35 mm (5.4" × 5.6" × 1.4")

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## Dimension
Available Model
DS-K1T201AEF