

# TF1600

## Outdoor Fingerprint Access Control Terminal IP65 Rating and Resistance to Low Temperature



As one of the world's smallest IP-based fingerprint terminals for access control and time attendance application, TF1600 is specially designed for working in rugged outdoor environment particularly in very low temperature condition. With built-in resistors, the device will automatically heating by itself when its MCU detects the temperature is below working requirement. TF1600 is adapted for operating temperature that ranging from  $-40^{\circ}\text{C}$  to  $45^{\circ}\text{C}$ , maximized the minimum working temperature.

Embedded with the latest firmware, TF1600 supports ZKBio CVAcess management software which has versatile features and powerful functions. Though there's no keypad available on TF1600, users can be registered on the device by the Master Card since it is integrated with 125KHz proximity card reader. It can also complete the enrollment through connecting with ZKBio CVAcess software by Ethernet.

### Features



► **Rugged structure for outdoor installation and extra durability**

- \* IP65 rated waterproof and dustproof structure



► **Resistance to Cold Environment**

- \* Built-in resistors
- \* Automatically heating for required working temperature



► **Fast and accurate fingerprint algorithm**

- \* Fingerprint identification in 1 second
- \* Stores 3,000 fingerprint templates, 30,000 cards and 100,000 transactions



► **Easy installation and connectivity**

- \* Wiegand input & output
- \* Network interface by TCP/IP



► **Full access control features**

- \* Anti-passback
- \* Access control interface for 3rd party electric lock, door sensor, exit button, alarm



► **Slim and elegant design**

- \* One of the world's smallest fingerprint terminals
- \* Sleek and slim design for narrow spaces

## Specifications:

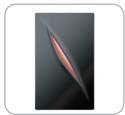
Fingerprint Sensor	Low Temperature Resistance
Algorithm Version	ZKFinger V10.0
Communication	TCP / IP, RS485*
Fingerprint Capacity	3,000 Fingerprints
Card Capacity	30,000 Cards
Log Capacity	100,000 Transactions
RF Card	EM (standard) / IC Card (optional)
Authentication	Finger / Card
Wiegand Signal	Wiegand input&output
Ingress Protection Rate	IP65
Operating Voltage	12VDC 3A
Operating Temperature	-40°C~45°C (40°F ~ 113°F)
Size	62.5mm × 185mm × 41.5mm (W × H × D)

\* Note: RS485 is for RS485 readers.

## Optional Accessories:



FR1200



RFID Reader



Exit Button



Electric Lock

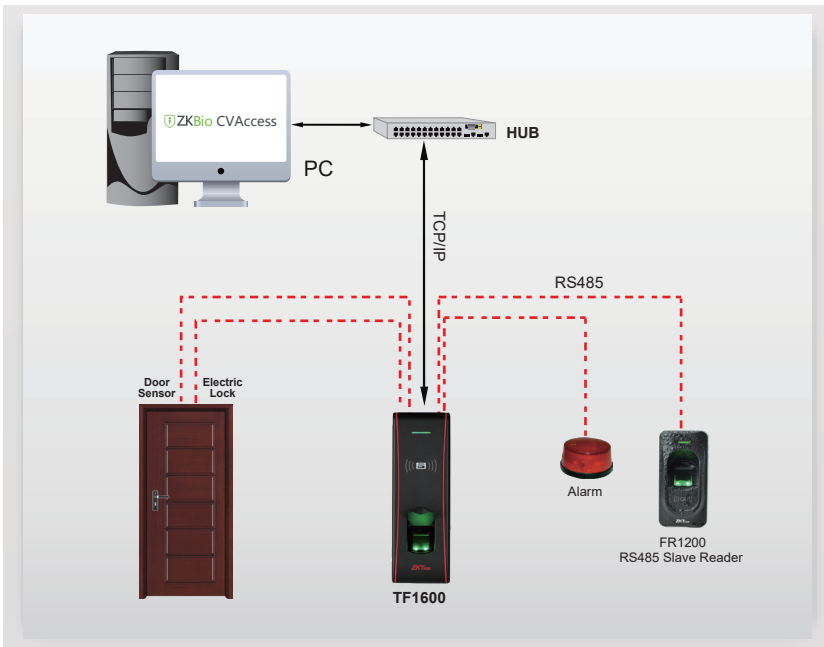


Alarm



Door Sensor

## Configuration:



## Application:



Networked Security:  
*School*



Networked Security:  
*Building*



Standalone Access Control:  
*Shop*



Standalone Access Control:  
*House*



Time Attendance:  
*Factory*



Time Attendance:  
*Office*

