

## F7 STANDALONE BIOMETRIC ACCESS CONTROL

One touch. That's all it takes for access control with ZK Software's F7 biometric reader that offer the flexibility to be installed standalone or with any third party panel that supports 26-bit Wiegand. Fast, reliable performance combined with affordability gives ZK readers the competitive edge.

Using the fastest fingerprint-matching algorithm in the industry, ZK readers provide unparalleled precision and speed at less than half the cost of competing vendors. Each reader has the capacity to store up to 1,000 fingerprint templates and 30,000 transactions. Enrolling users is fast and easy, since most of our readers have a user-friendly keypad and display. Managing our readers is also simple. All our readers are easily accessed through a TCP/IP or serial port, with the ability to automatically update and synchronize when networked together.

### Features

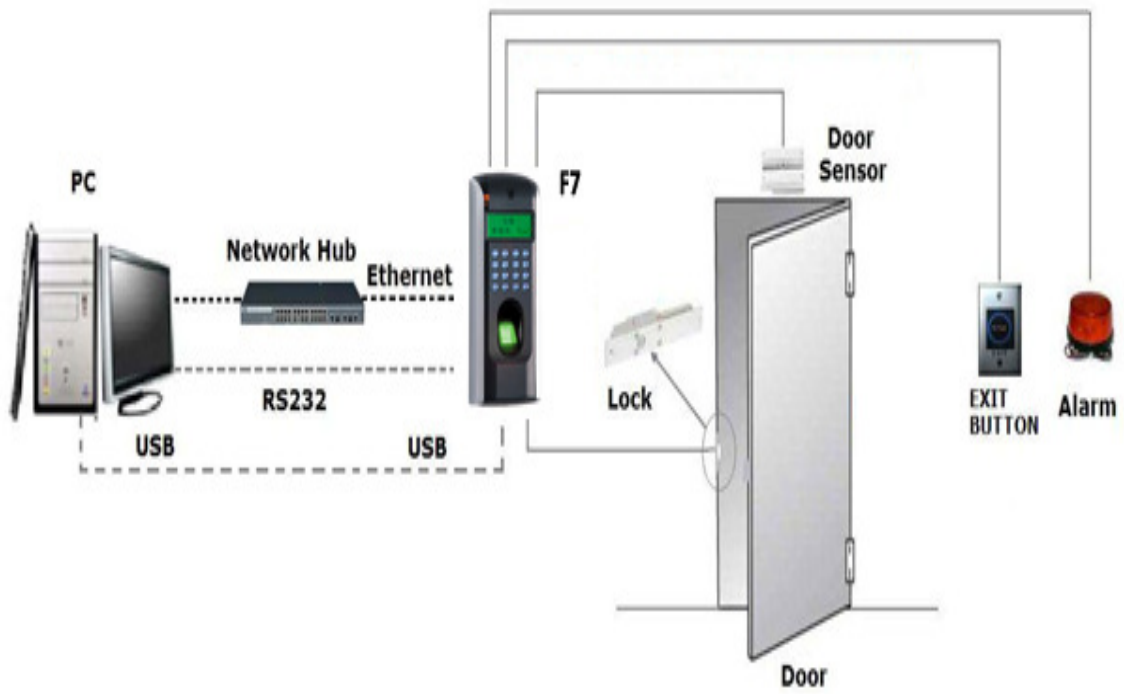
- Fingerprint reader w/ durable highly accurate ZK optical sensor
- No need to enter PINs
- Supports 50 time zones, 5 groups and 10 unlock combinations
- Tamper-proofs switch and alarm outputs
- Request-to-exit and alarm contacts
- Operates stand-alone without computer
- Real-time 1-touch data export to 3rd party hosted & non-hosted applications
- Audio-Visual indications for acceptance & rejection of valid and invalid fingerprints
- SDK available for OEM customers and software developers
- Optional heated/unheated door enclosure available
- Capacity to store 2200 templates and 50000 transactions

### Specifications

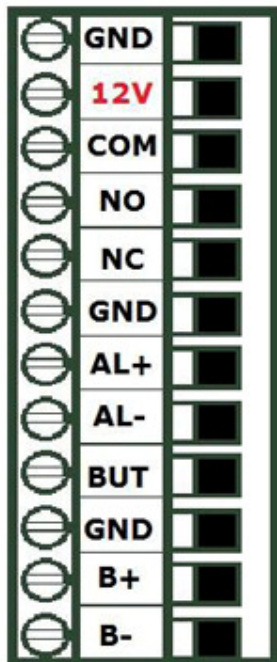
Capacity	Verification/Identification
Templates	Matching
2200	1:N up to 2200 templates
Transactions	Verification
50000	<= 1 second
	Identification
	<= 2 seconds
	FRR
	<= 1%
	FAR
	<= 0.001%
Display	Environment
LCD	Oper. Temp
2 x 16 inch Character backlit LCD Display	32°-105°F (0°-42°C)
Communication	Power
Port	Oper. Voltage
RS 232/RS 485	12V, DC
Port	Idle Current
Ethernet 10/100	60 mA
Port	Oper. Current
26 bit Wiegand Output	450 mA
	Relay Output
	12V DC, 3A
Dimensions	Part Numbers
Length	F7
7.3 inches / 185mm	Standalone Biometric Access Control Terminal
Width	

3.3 inches / 85mm  
Dep

## Installation Diagram



## Wiring Diagram



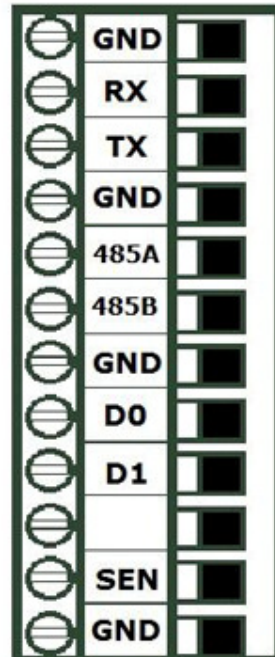
POWER IN

DOOR  
LOCK

ALARM

EXIT  
BUTTON

WIRED  
DOOR  
BELL



RS232

RS485

WIEGAND  
OUTPUT

DOOR  
SENSOR