F18
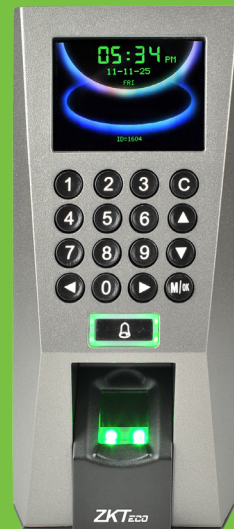# Fingerprint Standalone Access Control

F18 is an innovative biometric fingerprint reader for access control application. Offering unparalleled performance by using an advanced algorithm for reliability, precision and excellent matching speed. The F18 features the fastest commercial-based fingerprint matching algorithm and ZK high-performance, high-image quality infrared detection fingerprint sensor. The device offers flexibility to be installed standalone or with any third party access control panels .that support standard Wiegand signal. All the operations can be done on the TFT-LCD color screen. The fingerprint image will be displayed on it. That will guide user to put finger on proper position and increase recognition rate. TCP/IP and RS485 are available that the device can be used in different network.

TFT Color Screen
- Audio-visual indication for acceptance and rejection of valid/invalid fingerprints
- More simple and convenient operation

Slim and Elegant Design
- Streamlined and slim design for narrow spaces

Fast and Accurate Fingerprint Algorithm
- 1 touch a-second user recognition
- Store 3,000 fingerprint templates, 30,000 cards and 100,000 transactions

Easy Installation and Connectivity
- Wiegand input & output
- Network interface by TCP/IP or RS485

Full Access Control Features
- Webserver
- Anti-passback
- Access control interface for 3rd party electric lock, door sensor, exit button, alarm and doorbell

Easy Operation and Management
- Work with computer
- Buzzer, 4×4 keypads and doorbell
- Built-in serial and Ethernet ports
- Built-in USB port allows for manual data transfer

Specifications

Fingerprint Capacity	3000 Templates
Transaction Capacity	30,000 Transactions
Sensor	ZK Optical Sensor
Algorithm Version	ZK Finger V9.0&10.0
Communication	RS232/485, TCP/IP, USB-host
Access Control Interface	3rd Party Electric Lock, Door Sensor, Exit Button, Alarm, Doorbell
Wiegand Signal	Input and Output
Display	TFT LCD Color Screen
Interface Styles	Common, Matrix and Magic styles
Standard Function	Webserver, Anti-passback
Optional Function	ID Card, Mifare Card
Power Supply	12V DC,3A
Operating Temperature	0 ℃- 45 ℃
Operating Humidity	20%-80%
Dimension(WxDxH)	80×183×42mm

Optional Accessories
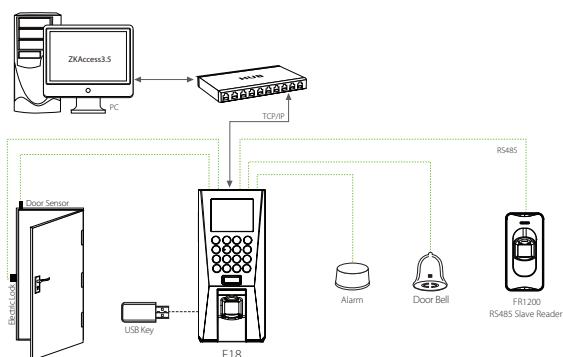
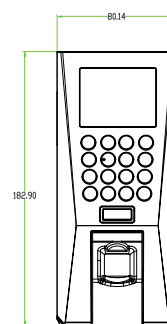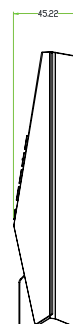| FR1200	RFID Reader	Exit Button	Electric Lock	Alarm	Sensor

Configuration

Dimensions (mm)

CE FC RoHS