

F11

Introduction:

F11 is an innovative biometric fingerprint reader for access control applications, offering unparalleled performance using an advanced algorithm for reliability, precision and excellent matching speed. The F11 features the fastest commercial-based fingerprint matching algorithm and ZK high-performance, high-image quality optical fingerprint sensor. The device offers the flexibility to be installed standalone or with any third party panel that supports 26-bit Wiegand. The user can be enrolled by administrator card when the device works as a standalone access control. TCP/IP and RS232/485 are available that the device can be used in different network. TCP/IP communication make sure the data transition between the device and the PC can be easily done within several seconds.



Standard function



Optional function



Features

- ✓ Fingerprint reader with durable and highly accurate ZK optical sensor
- ✓ 1 touch a-second user recognition
- ✓ Stores 1,500 templates and 10,000 cards
- ✓ Reads Fingerprint and/or Card
- ✓ Optional integrated smart card reader
- ✓ Built-in Serial and Ethernet ports
- ✓ Tamper-proofs switch and alarm outputs
- ✓ Request-to-exit and alarm contacts
- ✓ Real-time 1-touch data export 3rd party hosted & non-hosted applications
- ✓ Audio-Visual indications for acceptance and rejection of valid/invalid fingers



Specifications

Capacity

Fingerprint Capacity	1500
ID Card Capacity	10000

Hardware

Sensor	ZK Optical Sensor
Proximity	ID card
Relay contacts	Lock control, Alarm, Sensor, Exit Button

Display

LED Indicator	Green / Red
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Environment

Oper. Temp	0°-45°C
Oper. Humidity	20%-80%

Power

Power	12V, DC 3A
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Communication

Comm. Port	TCP/IP, RS232-485
Wiegand	Output

Fingerprint Algorithm

Type	ZK Finger
Identification	<= 2 seconds
Verification	< 1 second
FRR	< 1%
FAR	<= 0.0001%

Dimensions

Dimensions	66.4x153.5x61 mm (L x W x D)
Weight	0.7kg

Firmware

O.S	Linux
Applications	AC
SDK	Standard SDK

Connectivity diagram

