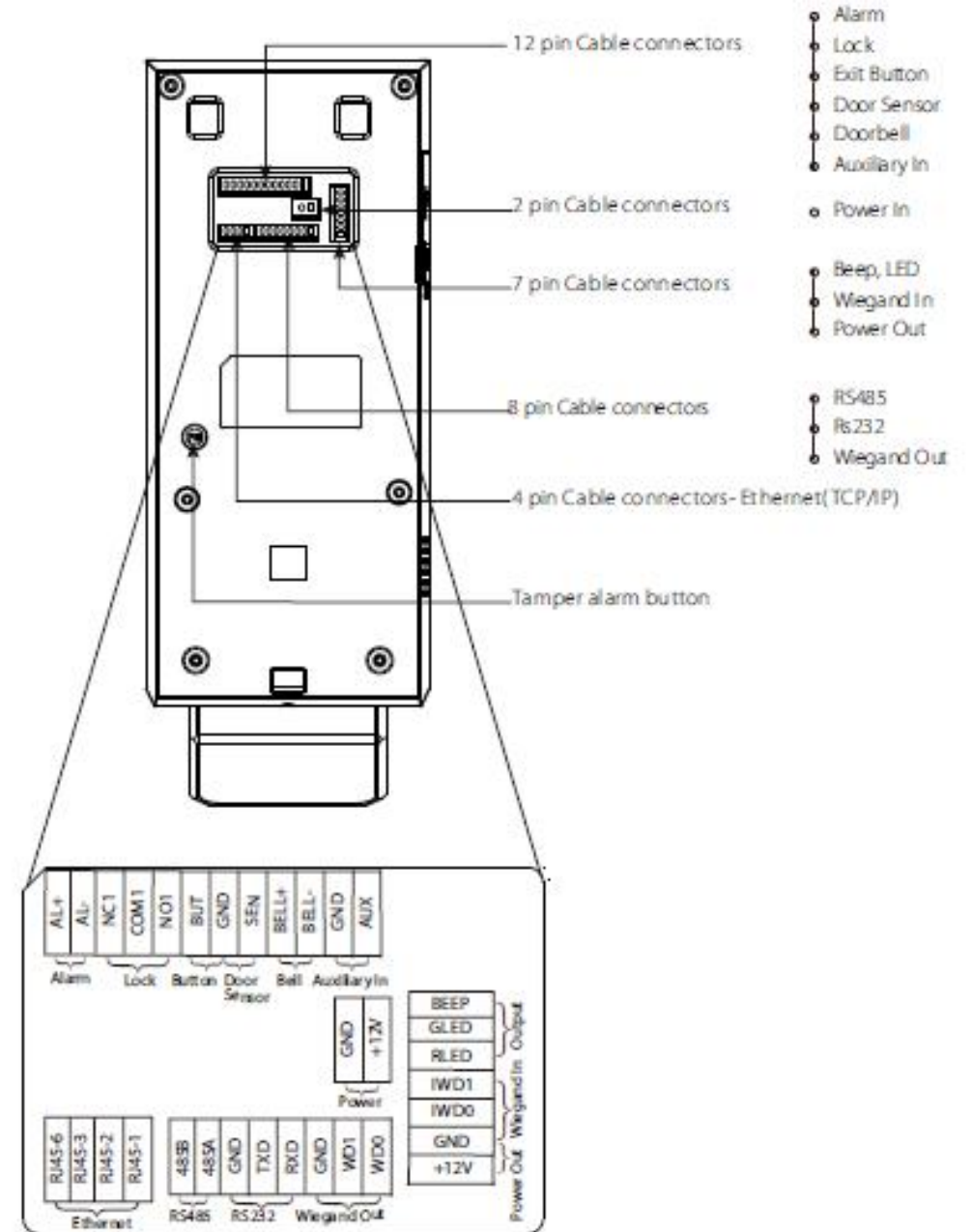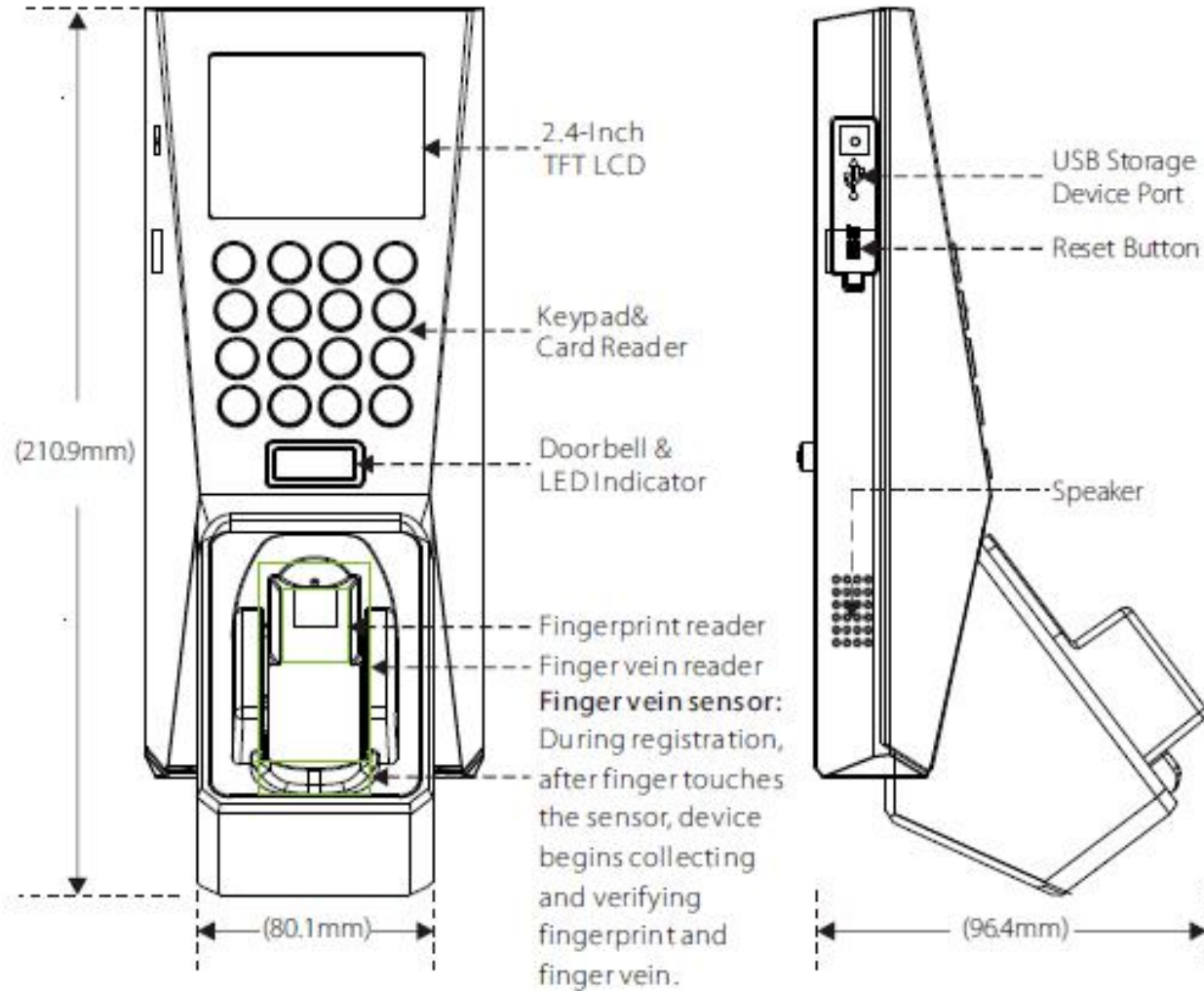ZKTeco

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1 Background

1. With the development of the market, fingerprint A&T and AC products market competition became so intense, we targeted to launch fingerprint + Finger Vein biometric identification products with nearly the same price to establish the new industry standards.
2. Fingerprint + Finger Vein recognition are perfect combination for preventing spoof finger and improving the recognition success rate, which made it a prefect tool for high security applications, such as Bank and Law enforcement agency.
3. Previously, the finger vein technology is merely applied in the access control products, in order to introduce the Finger Vein Technology, ZKTeco launch this T&A with AC terminal to fulfill customer's needs.
4. Lower the Finger Vein products cost, reduce the use of the product threshold to improve market acceptance

Product appearance

Product appearance

2.4-Inch TFT LCD

USB Storage Device Port

Reset Button

Keypad & Card Reader

Doorbell & LED Indicator

Speaker

Fingerprint reader

Finger vein reader

Finger vein sensor:
During registration, after finger touches the sensor, device begins collecting and verifying fingerprint and finger vein.

(210.9mm)

(80.1mm)

(96.4mm)

12 pin Cable connectors

Alarm
Lock
Exit Button
Door Sensor
Doorbell
Auxiliary In

2 pin Cable connectors

Power In

7 pin Cable connectors

Beep, LED
Wiegand In
Power Out

8 pin Cable connectors

RS485
Rs232
Wiegand Out

4 pin Cable connectors - Ethernet (TCP/IP)

Tamper alarm button

AL+ AL- NC1 COM1 NO1 BUT GND SEN BELL+ BEL- GND AUX

Alarm   Lock   Button Door   Bell Auxiliary In
                        Sensor

BEEP
GLED
RLED
IWD1
IWD0
GND
+12V

GND +12V

Power

RJ45-6 RJ45-3 RJ45-2 RJ45-1   483B 483A GND TXD RXD GND WD1 WD0

Ethernet   RS485 RS232 Wiegand Out

3 Product positioning

FV18 belong to the Channel Sale product, position as a middle price range product, which is based on the original F18 outlook, and upgraded to fingerprint + finger vein recognition. Meanwhile, increasing auxiliary input interface, optional WIFI, wireless doorbell and other functions

4 FV18 Specifications

Specifications

Display	2.4-inch TFT LCD Color Screen
Fingerprint Capacity	1,000
Vein Capacity	1,000
Card Capacity	5,000 (Optional) ID / Mifare / HID Proximity card / iCLASS card
Transaction Capacity	100,000
Sensor	ZK Finger vein senor
Algorithm Version	ZKFinger VX10.0, ZKFingerVein VX3.0
Communication	TCP / IP, USB-host, WIFI (Optional)
Access Control Interface	3rd Party Electric Lock, Door Sensor, Exit Button, Alarm, Doorbell
Wiegand Signal	Input and Output, SRB
Aux. Input	1ea for linkage function
Functions	DST, Record Query, Anti-passback
Optional Functions	Webserver, WorkCode, Printer, Wireless Doorbell
Power Supply	12V DC, 3A
Operating Temperature	0 ℃- 45 ℃
Operating Humidity	20%-80%
SDK and Software	Standalone SDK, ZKAccess3.5 software
Dimension(L x W x H)	210.9 x 80.1 x 96mm

5 | Advantage& characteristic

1. Fingerprint + Finger Vein multi modal biometric technology rapidly improved the security level and anti-spoof finger ability(Fingervein template are almost impossible to counterfeit because they are located under the skin's surface).

2. Optional WIFI and wireless doorbell.

3. Capacity: 1000 FP & Finger Vein，5000 Card,100,000 records.

4. Various Optional Card module：ID, Mifare, HID Proximity card, HID iCLASS.

5. One extra Aux-in interface, supported Linkage Function.

6. A&T + AC all in one terminal, fulfilled most customer's needs.

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