FV350

## Multi-biometric Finger Vein and Fingerprint recognition technology based Standalone Access Control Reader

FV350 is a multi-biometric reader capable of capturing and processing finger vein and fingerprint biometric data at the same time. Ergonomic, intuitive and highly secured, FV350 leads us to a new era of enhancing security with biometrics. Its infra-red rays illuminates the vein pattern which is then converted into a biometric template. Both the vein and fingerprint templates are then stored in the database for subsequent matching.

Features

- Multi-biometric reader with finger vein and fingerprint authentication
- Unsurpassed performance with highly accurate finger vein recognition technology
- Intuitive graphical user interface and touch screen display for rich user experience
- Can store upto 1000 vein and 1000 fingerprints

- and identify in less than 2 seconds
- Complete built in Access Control functionality and can operate without a dedicated computer.
- Flexibility to use any of the three credentials i.e. finger vein, fingerprint and password
- Advanced access control functions based on time zones, groups and unlock combinations

Multi-Biometric features extraction process:

Press the finger on the sensor ➡ Capture both fingerprint and finger vein images ➡ Get the unique points and generate templates ➡ Compare that templates with the data which in device's database ➡ Show the result on the device screen.

Image Acquisition

Feature Extraction

Coding

Finger Vein and Fingerprint Templates
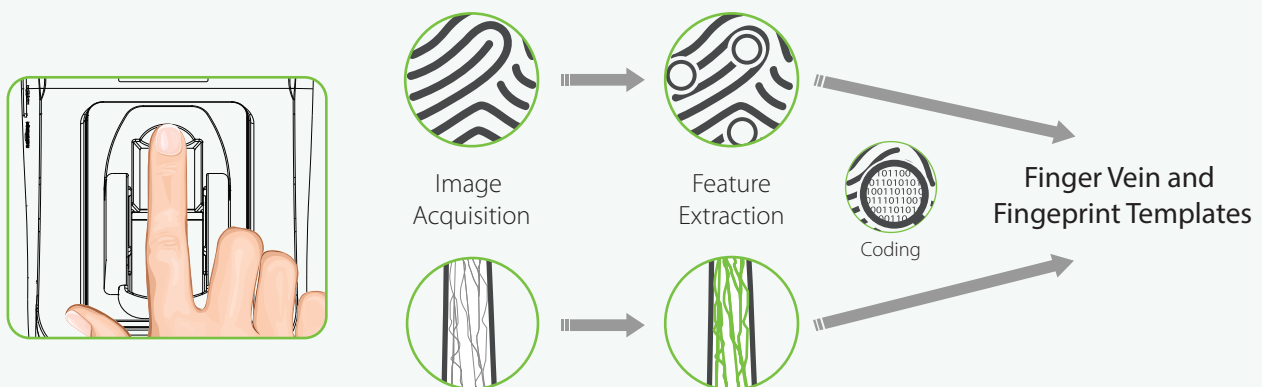
Specifications

Core board	ZMM220
CPU	1.2GMHz
Communication	TCP/IP, RS485
Vein Capacity	1,000
Fingerprint Capacity	1,000
RF Card	EM, Mifare (optional 2,000)
Authentication	Finger vein, fingerprint, password, card (optional)
Auxiliary terminal	1 Aux. input
Wiegand	Wiegand in and out
Display	2.8-inch capacitive screen
Operating Voltage	DC 12V 3A
Operating Temperature	-10℃ ~ 45℃
Dimensions	232mm×91mm×117mm(length×width×thickness)
SDK	PULL SDK (new firmware)

Optional Accessories

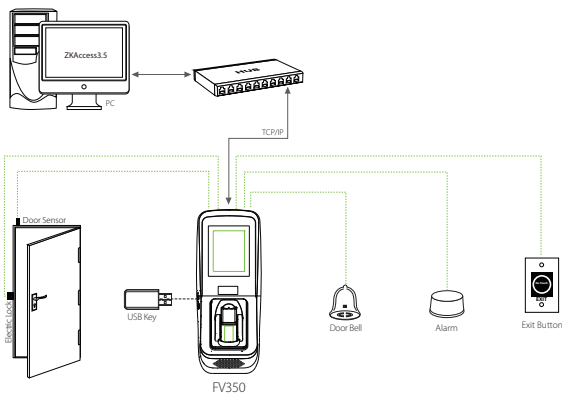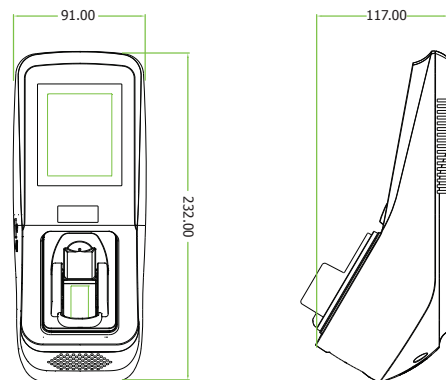| Exit Button	Break Glass Button	Electric Lock	Alarm	Sensor

Configuration

Dimensions (mm)