# 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
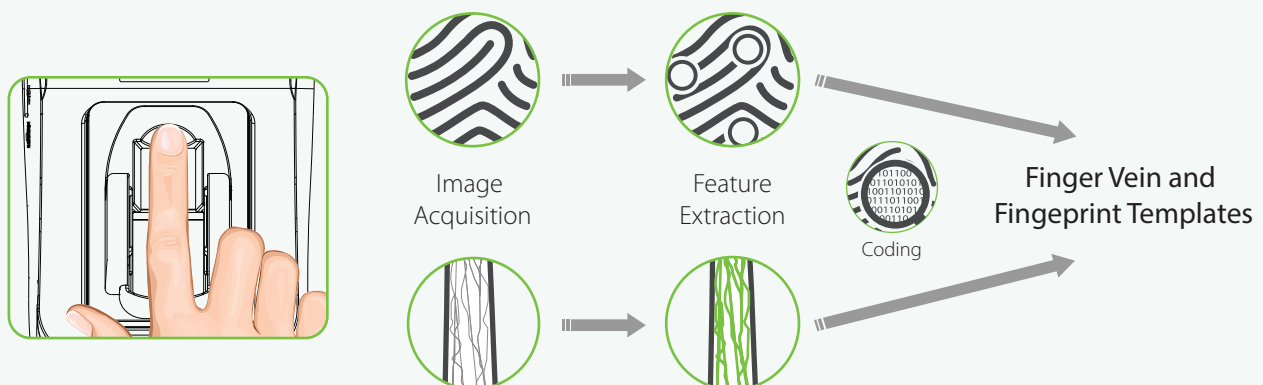
# Specifications

| | |
|---|---|
| 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

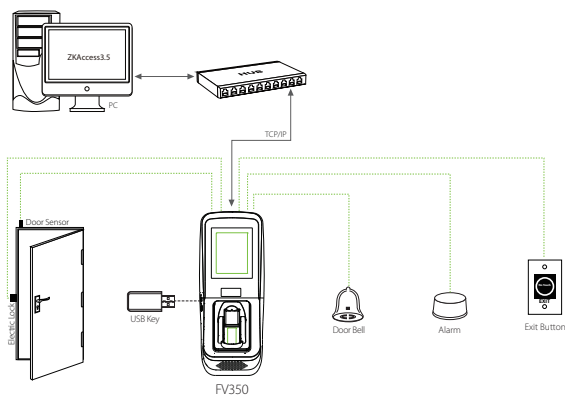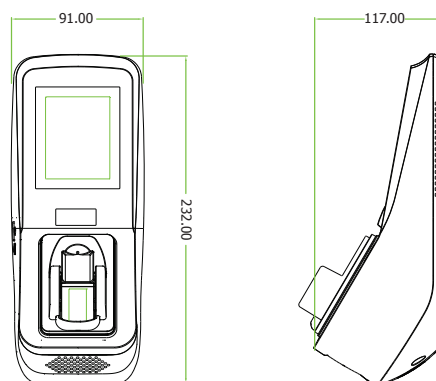| Exit Button | Break Glass Button | Electric Lock | Alarm | Sensor |
|---|---|---|---|---|

# Configuration

# Dimensions (mm)

91.00

117.00

232.00