

FVA-U4BT Finger Vein Authentication Device

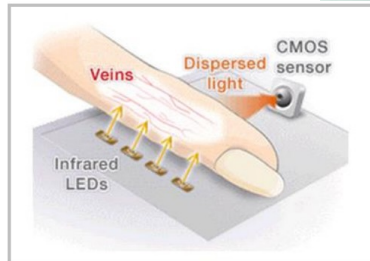
FVA-U4BT adopts a unique patented reflective dispersion method, which near-infrared lights emitted from LED is reflected inside a finger, and the vein pattern image is captured by a CMOS sensor.

It quickly and exactly extracts vein information and automatically adjusts the finger's position for matching vein pattern. Therefore, it achieves high level of usability and authentication without having to fix the position.

FVA-U4BT includes authentication (matching) feature and supports two types of authentication processes, in device and on server.



Example of usage



Examples of FVA-U4BT



Attendant service



Admission restriction system for specific area



e-learning



Attendance management at franchise stores



Office security



Working with other Bluetooth devices

Product Specifications

- Voltage/Current:
 - Authentication mode: Max 220mA
 - On charging: DC5V 500mA
- Power Supply: Built-in rechargeable lithium-ion battery
 - Charging time: about 2 hours
 - Rechargeable times: about 300 times
 - Consecutive authentication: about 500 times
- Operating temperature and humidity: 5°C~35°C, 20%~80%
- Operating illuminance: 3,000 lux or less
- Storage temperature and humidity: -20°C~50°C, 10%~90%
- Dimensions: 49 x 63 x 92mm (W/H/D)
- Weight: Approx. 130 gram (Body only)
- Adapted standard: Bluetooth Ver 3.0 compliant
- Communication distance: about 10m
- Transmission power: Class 2

Software Development Kit (sold separately)

- MSDK-DCL-02
Modules for client computer utilized for authentication in device and server. This is an essential development kit to develop a system that uses USB connected device.
 - Platform: Windows, Android, Mac, Linux
 - Content: C/C++ (Libraries) / Java (JAR) / Device driver Tutorial / Materials for GUI / Sample programs
- MSDK-SAS-02
Modules for server computer utilized for authentication in server.
 - Platform: Windows, Linux
 - Content: C/C++ (Libraries) / Sample programs