FVA-U4ST

mofiria
Better Life with Finger ID
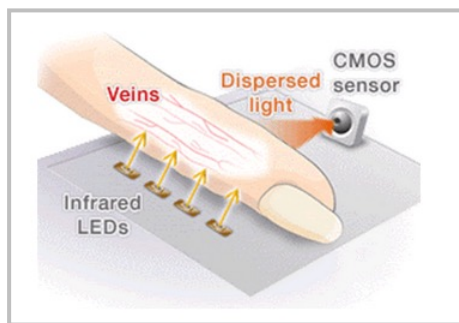
Beyond the future

New Standard for Authentication

Supports Windows, macOS, Android and Ubuntu

Utilizing biometrics instead of key, password or IC card realizes both high security and usability.

Below is a partial list of what biometrics can be applied to:

Vein Authentication Technology by mofiria

mofiria 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-U4ST includes authentication (matching) feature and supports two types of authentication processes, in device and on server.

Example of usage

Product Specifications

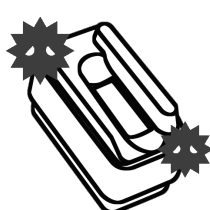| Dimension	49 x 63 x 92mm (W/H/D)	Operating temperature	5℃～40℃
Weight	Approx. 105g (Body only)	Operating humidity	20%～80% (No condensing)
External Interface	USB 2.0 (Full Speed)	Operating illuminance	3,000 lux or lower (Under fluorescent lamp)
Protection circuit	Fuse 0.4A (USB VBUS 5V)		
Electrostatic switch	Finger placed detection / Finger released detection	Storage temperature	-20℃～50℃
Power supply	USB bus power	Storage humidity	10%～90% (No condensing)
Voltage / Current	Operation mode: DC5V 220mA or lower Sleep mode: DC5V 2.5mA or lower	Accessories	USB cable (1m), Duster cloth, User manual

Combination with FVA-U4BT

Any biometrics data generated by FVA-U4ST can be used on FVA-U4BT, which can execute enrollment and authentication wirelessly using Bluetooth connection.

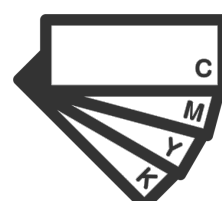Therefore, you can utilize both models for various purposes and situations.

Options

We can apply some customizations on your needs.
The price and minimum order quantity vary according to type of option/customization. For details, please ask us.

Antibacterial   Color change (Lower part)   Logo change

SDK （Software Development Kit）
※Sold separately

Use the following SDK(s) in order to develop application or solution supporting FVA-U4ST device:

	MSDK-DCL-02	MSDK-SAS-02	MSDK-SAS-10N
Description	Modules for client computer utilized for authentication in device and in server. This is an essential development kit to develop a system that uses USB and Bluetooth connected mofiria device.	Modules for server computer utilized for 1:1 authentication in server. * Unnecessary for authentication in device.	Modules for server computer utilized for 1:N (up to 1000) authentication in server. * Unnecessary for authentication in device.
Platform	Windows, Android, macOS, Linux (Ubuntu)	Windows, Linux (CentOS)	Windows, Linux (CentOS)
Content	C/C++ (Library) / Java (JAR)* / Device driver** / Tutorial (Videos and images) / GUI materials / Sample programs * Android only ** Except Android	C/C++ (Library) / Sample programs / USB dongle or Software license key	C/C++ (Library) / Sample programs / USB dongle or Software license key

⚠ **Safety Notice**   **Please read the Instruction Manual carefully before using the product.**

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