

USB connected Finger Vein Authentication Unit

FVA-U4ST

mofiria
Better Life with Finger ID



Beyond the future

New Standard for Authentication

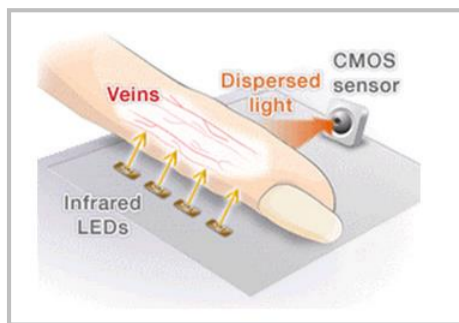
Supports Windows, macOS, Android and Ubuntu

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°C~40°C
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)	Storage temperature	-20°C~50°C
Electrostatic switch	Finger placed detection / Finger released detection	Storage humidity	10%~90% (No condensing)
Power supply	USB bus power	Accessories	USB cable (1m), Duster cloth, User manual
Voltage / Current	Operation mode: DC5V 220mA or lower Sleep mode: DC5V 2.5mA or lower		

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.

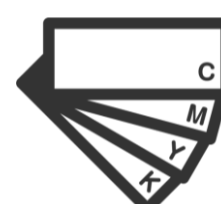


Options

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.

- Design and specifications are subject to change without notice.
- Colors displayed in the catalog may slightly vary from the actual product color due to printing issues.
- Any system and products name used in this leaflet are, in general, trademarks or registered trademarks of their respective owners.

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