

SAFE**M**

aps



Secure USB memory



This biometric device is equipped with anti-fake technology: In case your fingerprint would be reproduced on a piece of silicone or on other material, the anti-fake technology associated with the fingerprint sensor prevents the presented counterfeit material to grant access to the data, improving drastically the protection of your data.

All data is encrypted in real time(AES256bit).

Protect your stored data safely in any situation, such as lost or hacked.

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1. Features

- Enrolled fingerprint encryption
- Real-time file encryption
- Omnidirectional(360°) fingerprint recognition
- Dual connector(USB/OTG)
- User Data Protection
- Vibrator

2. Product constitution



User Guide



Main device

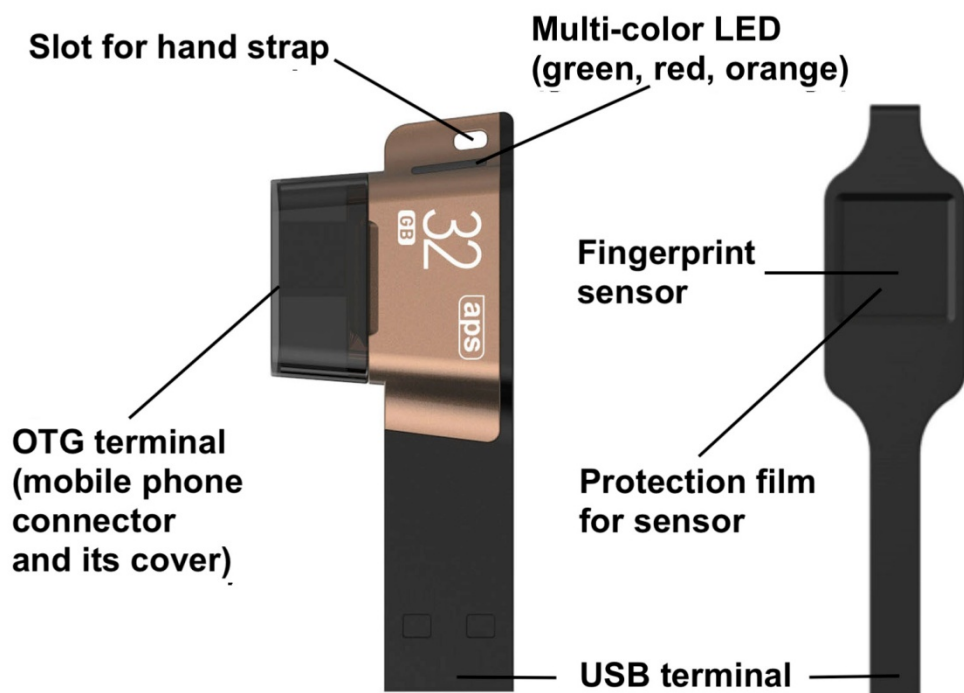


Hand strap



Extension cable

3. Overview



4. Precautions

- 1) The product is provided with a protection film on the fingerprint sensor. Please remove the film before using to optimize the fingerprint recognition.
- 2) Be careful not to scratch or damage the fingerprint sensor.

- 3) When registering the fingerprint, the registered finger must completely cover the fingerprint sensor in order to increase the fingerprint recognition rate.
- 4) The fingerprint registration must be completed before using the USB memory. Carefully follow the user manual instruction.
- 5) This device can record up to 3 different fingerprints and save them in an order
- 6) If the authentication fails for 5 consecutive times after the fingerprint registration, the green LED and the red LED flash alternately. In this case, you have to disconnect and reconnect the USB memory.

7) User data deletion

Having presented a total of 15 unregistered fingerprints, all the data is erased. (Existing data cannot be recovered by the manufacturer and we shall not be liable for the deleted data.)

- 8) If you connect the USB memory directly to the computer without using the extension cable, depending on the computer's USB terminal location, plug it conveniently as the fingerprint sensor can be located either on the front or the back side.
- 9) Be sure to click the 'Safely Remove Hardware and Remove Media' button to eject this device from the computer. Removing this device without clicking the button may result in data loss.

5. How to register / reset your fingerprint

-Connect the USB memory to the USB terminal of the computer directly or connect via extension cable.

-Notice-

- When registering the fingerprint, the sensor must be completely covered with fingerprint in order to increase the recognition rate.
- For fingerprint registration, please register three kinds of fingerprints at once*
(*This device can record up to 3 different fingerprints and save them in order. These 3 fingerprints are recorded by scanning each fingerprint 4 times in different directions.)
- If the fingerprint registration exceeds the fingerprint recognition waiting time(about 40seconds), or if the USB memory is connected to the computer again, the registration will restart from the first fingerprint.

1) First fingerprint registration

Green LED On> Place the finger to the direction you wish to register on the sensor. (Please let the fingerprint completely cover the sensor.)

When the fingerprint is recognized, the green LED flashes 2 times and vibrates 1 time. Then lift off your finger.

Repeat this step 4 times in total. If the LED is changed to red, the first fingerprint registration is completed.

2) Second fingerprint registration

Red LED On>Place the finger to the direction you wish to register on the sensor.

When the fingerprint is recognized, the green LED is on and vibrate 1 time. Then lift off your finger. Repeat this step 4 times in total. If the LED is changed to orange, the second fingerprint registration is completed.

3) Third fingerprint registration

Orange LED On> Place the finger to the direction you wish to register on the sensor.




When the fingerprint is recognized, the green LED is on, vibrate 1 time. Then lift off your finger.

Repeat this step 4 times in total. When the three fingerprints are registered, the orange LED blinks.

LED, Vibrator Indication description

☉: on ☼: blink

	Green LED	Red LED	Orange LED	Vibrator
If there is no registered fingerprint	☉			
When the first fingerprint is registered		☉		
When the second fingerprint is registered			☉	
When the third fingerprint is registered (Also indicates that the sensor is ready to read a fingerprint to give access to the memory)			☼	
Fingerprint recognition success	☼			☉ (1 time)
Fingerprint recognition failure		☼		

Recognition timeout (Approx. 40seconds) Or 10minutes timeout	 Alternately blinking			
USB memory reading				
USB memory writing				

4) Reset fingerprint

In order to reset the device, the user with the currently registered fingerprint must keep one of the registered fingers on the sensor for about 15 seconds. After this procedure, the red and green LED will start flashing alternately and the fingerprints are successfully deleted. (Please notice that this procedure only deletes registered finger and that prior stored data is still accessible after the next fingerprint registration).

6. Fingerprint recognition and USB Memory use

- 1) After registering all 3 fingerprints, place the registered finger on the fingerprint sensor.
- 2) If the fingerprint recognition is successful, the green LED will blink and the USB key is ready to use.
- 3) If the fingerprint recognition fails, the red LED flashes.
- 4) After the first fingerprint registration and recognition, the USB memory must be formatted. (Removable disk format*).

*For compatibility with Mac OS, select Format Type 'ExFAT'.

More information is provided on www.apscard.lu

- 5) All data is safely stored in real time encrypted with AES256bit without installing any program.
- 6) 10 minutes timeout function – If the USB memory is connected to a computer for about 10 minutes and is unused throughout this period(no writing or reading operation), the USB device will automatically disconnect for security reasons.
- 7) When the green LED and red LED alternately blink (Fingerprint wait time exceed, 10 minutes timeout error), you can use it by reconnecting the USB.

*For compatibility with Mac OS, select ExFAT. For more information please check the manual on www.apscard.lu

7 . Product Specification

- 1) Brand : SafeM
- 2) Model : YMA-1321
- 3) Rated Voltage : DC5V300mA
- 4) Interface : USB2.0 High Speed/OTG
- 5) Indicator : Multi-Color LED & Vibrator
- 6) Encryption : Real-time AES256 encryption algorithm
- 7) File Format : NTFS, FAT32, exFAT
- 8) Fingerprint Sensor : Omnidirectional (360°) fingerprint recognition
- 9) Manufacturer/Country: APS ICT Co.,Ltd./ Republic of Korea

8 . Quality Assurance

• Limited Warranty Statement

Product	Fingerprint recognition USB Memory (SafeM)	Warranty Period
Model name	YMA-1321	2Years
Purchasing date		
Where to buy		

• Warranty Service

Customer shall receive free service for defects caused by normal use of the product within two years of purchase (free warranty period).

***However, the customer shall not have any claims under this warranty for repair or adjustment expense if;**

- 1) In case consumer's negligence (in case of breakdown due to shock, damage etc.)

and defects caused by careless handling.

- In case of external damage.
- In case of external shock or failure due to falls and damage occurred.
- In case of problem caused by not following the instructions.
- If it is damaged due to careless disassembly by the customer.
- 2) In case a problem occurs after repair outside the customer service center.
- 3) In case of a failure or damage caused by movement or falling after installation.
- 4) In case of a failure due to abnormal use of the power supply or defective connection equipment attached to the product.
- 5) In case the problem is caused by an external cause other than defects of the product itself.
- 6) In case of problem caused by natural disasters (falling, fire, salt damage, flood, earthquake, etc.).

• **Charged Service**

In case of performance or function failure after warranty period (2years after purchase), service will be charged.

< After Sales Enquiry >

- Company : APS S.A.
- Address : Technoport - Rue du Commerce, L-3895, Foetz, Luxembourg (Europe)
- E-mail : support@apscard.lu

<Product Certification>

- The recipient of the certificate: APS ICT Co., Ltd.
- Device: Fingerprint authentication USB memory
- KC certification number : MSIP-REM-Yrt-YMA-1321
- FCC / CE
- Country of Origin : Republic of Korea

<Important Notice>

- The data stored in this product is the responsibility of the customer and we are not responsible for the warranty and indemnity under any circumstances. Be sure to back up your important data to a separate storage device.
- During its use, various factors such as external impact and static electricity could result in data loss. Always keep important data backed up to other storage devices.
- We are not responsible for any damages caused by the failure of this product or loss of stored data.
- If the product is disassembled on user's own discretion, warranty service will be invalidated.
- We shall not be liable for any damages even if the data cannot be accessed due to problems such as any defect of the fingerprint sensor.