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Products

USB3.0 Fingerprint Flash Disk

Model No.: BD010U3-3AS

Introduction

BD010U3-3AS is the latest generation of fingerprint embedded module integrated flash memory, beyond the traditional utilization of memory drive to achieve secure and convenient operation without additional driver or software required, realizes truly Plug & Play fully compliant with the specification of USB 3.0 and supports Linux, Mac OS or Windows latest Operating System.

Accessing the flash drive data with fingerprint verify can protect personal secretes private or confidential data by authorized fingerprints.

Auto Protection

The BD010U3-3AS is an embedded system solution for doing biometric fingerprint verification / identification. The system consists of the powerful processor and capacitive fingerprint slide sensor. Executes the algorithm for doing fingerprint verification / identification, communication with host, and also interfaces to fingerprint sensor. Fingerprint templates can be stored (30 x fingerprints templates memory) in flash memory and non-volatile after power off.

Application Scope

☛ Integrated benefits of security and convenience by fingerprint biometric added to USB flash drive.

☛ Fingerprint identification with high accuracy and high speed.

☛ Private storage volume to access by approved fingerprint instead of passwords which may be easily recorded by spyware.

☛ Ideal information security solution for business professionals, government officers or military couriers or to protect confidential information without worrying about the risk of losing data or missing the device.

☛ Cross different OS. Platform support.

Solution Features

☛ Compact size, embedded system design principle.

☛ Provide 1:N fingerprint matching.

☛ Semiconductor slide sensor, anti-stain, 3-D image capture.

☛ Standalone system, low power consumption.

☛ No driver and software required for Windows, Mac OS or Linux OS.

☛ For enrollment of 10 user fingerprints by touch bottom.

☛ Easy operation by unique algorithm for Auto-secure data stored to the device without additional application software.

Specification

Hardware Interface	USB 3.0
LED Indicate	Blue: Flash: Success, Red: Fail
Finferprint Sensor	Semiconductor slide Sensor
Dimension	70mm (L) x 30mm (W) x 15mm (D)
Weight	24 g
Operating Temperature	0°C ~ 70°C
Electrical Characteristics	DC 5V, 300mA

Fingerprint Embedded Module	
Processor	32 bits RISC
Fingerprints Store Capacity	1:N Mode - 30 fingerprints(10 fingers)
Sensor based	Semiconductor Slide sensor
False Rejection Rate (FRR)	1/100
False Acceptance Rate (FAR)	1/1,000,000
Recognition Response time 1:N	Max : < 2 Second
Allowable Rotation	±10°
ESD	18~20 KV Air contact mode
USB Flash Driver module	
Hardware Interface	USB 3.0
Flash Memory Capacity	32GB/ 512GB
Flash read speed	>200 MB /second
Flash write speed	>100 MB /second
Operating Temperature	0~70℃

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