Futronic FS88H

USB2.0 Fingerprint Scanner

fulcrum biometrics

Description

The FS88H is a high quality optical fingerprint scanner with a rugged case and tough crown glass window. Certified by the FBI to be compliant with PIV-071006 Image Quality Specification for Single Finger Reader. FS88H meets the US Federal Information Processing Standard 201(FIPS 201) for Personal Identification Verification (PIV) of Federal Employees and Contractors. It is also listed in the US General Services Administration (GSA) FIPS 201 Evaluation Program Approved Product List.

FS88H uses advanced CMOS sensor technology and a precise optical system to meet the rigorous requirement of fingerprint image quality of PIV-071006. Its crown glass fingerprint scanning window is 14mm thick and resists scratches and other stress, ensuring long term heavy duty usage. It is a robust but cost effective single finger capture device and ideal for border control, identity card, drivers license, election and any type of civilian AFIS application.

Special electronic circuit is built into the FS88H to do Live Finger Detection (LFD). With appropriate software in a PC, users can select this LFD feature so that only live finger's fingerprint will be scanned into a PC. Fake fingers made from silicone rubber, play-doh, etc, will be rejected.

A unique serial number is factory-programmed into the USB Device Descriptor of each FS88H. Every FS88H is traceable, which is a very important feature for government identity management projects.

Features and Benefits

- Unique serial number
- Precise optical system
- Meets the US FIPS 201
- Listed in the US GSA FIPS 201 Evaluation Program Approved Product list
- Live Finger Detection

For any biometric scanner to capture and/or match, biometric software is mandatory - and does not ship with the scanner. Please contact sales@fulcrumbiometrics.com or call +1 (210) 257-5615 #1 to ensure you are compiling the best solution for your needs.
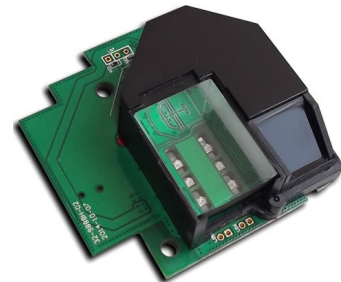
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Technical Specifications

Physical	Size: 66 x 66 x 29mm Weight: 150 g Operation temperature: -10 to + 55°C 2M standard USB cable Supply voltage: C 4.5-5.5 V via USB port Power consumption: Active <900mW, Standby <200mW, Sleep mode <4mW ESD contact - 8KV no permanent damage ESD air discharge - 16KV no permanent damage
Fingerprint Scanner	Window size: 16.26 x 24.38mm Image resolution: 320x480 pixels, 500 DPI, 8 bit grey level Fingerprint image size: 150K Live Finger Detection (LFD) feature
PC Requirements	Windows XP/2003, Windows Vista/2008/2012, Windows 7/8 or higher, Linux with kernel 2.4 or higher, MAC OS (version 10.5, 10.6 and 10.7, Intel CPU)
Certifications	FCC, CE, RoHS
Standards/Compliance	FIPS 201/PIV 071006 Image Quality Specification, Microsoft WHQL
Compatibility	Fulcrum Biometrics Framework (FbF®), Biodentify, VeriFinger SDK, MegaMatcher SDK, Futronic SDK

Also Available

FS89H OEM Module

FS89H is the OEM module of FS88H for customers who want to integrate FS88H into their own products, such as a handheld POS machine or a portable voter registration station. The FS89H is same product as the FS88H but without plastic shell and USB cable so that it can be embedded into any target system. It does not support Live Finger Detection (LFD). Its size is 59(L) x 60(W) x 20(H) mm and weight is 80g. Please contact Fulcrum Biometrics for detailed mechanical drawing.

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