

Futronic FS10

USB2.0 Fingerprint Scanner



Description

FS10 is Futronic 1"x1" fingerprint scanner for single-finger scanner market. It was certified by FBI to be compliant with PIV-071006 Image Quality Specification for Single Finger Reader. So it meets the US Federal Information Processing Standard 201(FIPS 201) for Personal Identification Verification (PIV) of Federal Employees and Contractors.



FS10 uses advanced CMOS sensor technology and precise optical system to meet the rigorous requirement of fingerprint image quality of PIV-071006. Its fingerprint scanning window is crown glass that resists scratches and other stress to ensure long term heavy duty usage. It is a robust but cost effective single finger capture device and ideal for border control, identity card, driver license, election and any type of civilian AFIS application.

A unique serial number is factory-programmed into the USB Device Descriptor of each FS188H. Every FS10 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 fingerprints, biometric software is needed and does not ship with the scanner.

Please contact

Fulcrum Biometrics Southern Africa

to ensure you are compiling the best solution for your needs.

www.fulcrumbiometrics.co.za

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

FS□ OEM Module

FS11 is the OEM module of FS10 for customers who want to integrate FS10 into their own products, such as a handheld POS machine or a portable voter registration station. The FS11 is same product as the FS10 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).

Please contact Fulcrum Biometrics Southern Africa for detailed mechanical drawing.

Fulcrum Biometrics Southern Africa

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