Futronic FS88 FIPS201/PIV Compliant USB2.0 Fingerprint Scanner

Major features and benefit:

FS88 is an enhanced version of FS80 USB2.0 Fingerprint Scanner from Futronic. It was certified by FBI to be compliant with PIV-071006 Image Quality Specification for Singer Finger Reader. So FS88 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.

FS88 uses advanced CMOS sensor technology and precise optical system to meet the rigorous requirement on fingerprint image quality of PIV-071006. Its fingerprint scanning window is crown glass with a thickness of 14mm 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.

Special electronic circuit is built into FS88 to do Live Finger Detection (LFD). With appropriate software in PC, user can select this LFD feature so that only live finger's fingerprint will be scanned into PC. Fake fingers made from silicone rubber, play-doh, etc, will be rejected. This LFD feature is included in all Futronic standard software.

Specifications

➢ Finger scanning window size is 16.26 x 24.38mm
➢ Image resolution is 480x320 pixel, 500 DPI
➢ Raw fingerprint image file size is 150K byte
➢ With Live Finger Detection (LFD) feature
➢ USB 2.0 compatible, plug and play device
➢ With a 2M standard USB cable
➢ Small size, 66 x 66 x29 mm
➢ Light weight, 150 gram
➢ Operation temperature: -10 to +55 C

Electrical characteristics

- Light source: Infrared LED
- Supply voltage: DC 4.5-5.5V via USB port
- Power consumption:
- Active<500mW(during finger scanning),
- Standby<200mW,
- sleep mode<5mW
- ESD contact – 8KV no permanent damage
- ESD air discharge - 16KV no permanent damage.

USB drivers and Application Programming Interface (API) for FS88 to capture fingerprint image on the following platforms:

- Windows 2000/XP
- Vista/2008 32 bit and 64 bit
- Windows 7, 32 bit and 64 bit
- Windows SDK supports CE 5.0 and 6.0 (for both x86 and ARM9)
- Linux SDK with kernel 2.4 or after (for both x86 and ARM9)

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Compliant to following standards

- **FIPS 201/PIV 071006 Image Quality Specification**
- **Microsoft WHQL**
- **FCC and CE**
- **RoHS**