



FS83

serial Fingerprint Authentication Module

A X E Z E

Access Control Products



Overview:

The Axeze FS83 serial Fingerprint Authentication Module (sFAM) combines both a high performance fingerprint scanner and a recognition engine into one device. It has internal memory that can store up to 2500 fingerprint templates.

Fingerprint scanner Specifications:

| | |
|-----------------------------|------------------------|
| Fingerprint scanning window | 16x24mm |
| Image resolution | 480x320 pixel, 500 DPI |
| Raw fingerprint image file | 150K byte |
| Light source | Infrared LED |
| Live Finger Detection | Yes |

Fingerprint Recognition engine Specifications :

| | |
|-----------|----------------------------------|
| Processor | Analog Device ADSP-BF532 |
| Memory | 16MB SDRAM and 16MB Flash |
| Capacity | up to 2500 fingerprint templates |
| FAR | 10 ⁻⁶ |
| FRR | 10 ⁻² |

Electrical:

| | |
|-------------------------|-----------------------------------|
| 4 wire RS-232 interface | VCC, GND, TX and RX. |
| Speed | up to 921600bps. |
| Power requirements | 5V at 200mA |
| ESD protection | contact 8KV air discharge 16KV |

Other

| | |
|--------------------------------------|-----------------------------|
| Weight | 200 grams |
| Size | 80mm(L) x 80mm(W) x 40mm(H) |
| Operation temperature | -20°C to +55°C |
| Finger scanning Window is waterproof | |

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The above specifications are subject to change without notice