

FINGERPRINT SERIES

SEMICONDUCTOR FINGERPRINT IDENTIFICATION DEVICE



TCS316N

> OVERVIEW

The Fingerprint Identification Device (TCS316) is a kind of ID authentication technology that is equipped with DSP (or 32-bit specific cryptographic chip) and semiconductor fingerprint sensors as well as Techshino's patented live detection fingerprint identification algorithm. The devices are designed for ID authentication in the fields of finance, electric power, government, military, education, and commercial enterprises.

> FEATURES

- Equipped with ESD protection
- Functions include fingerprint capturing, processing, storing and matching
- Data storage and transmission utilizes encryption technology
- A variety of protocol interfaces enable the fingerprint device to access users' existing system
- Easy-to-install and user-friendly
- Portable, stable and durable

> SPECIFICATIONS

- Matching Mode: 1:1; 1:N
- FRR: <0.01%
- FAR: <0.00003%
- Enrollment Speed: 1 second/fingerprint
- Verification Speed: 1:1, 2 to 3 milliseconds; 1:N, <1 second (N<1000)
- Template Size: ≤256 bytes/template
- Storage Space: 1000 templates
- Image Grayscale: 256 gray levels
- Resolution: FPC (Sweden) sensor: 363DPI AuthenTec (U.S.) sensor: 500DPI
- Processor: DSP or 32-bit specific cryptographic chip
- Sensors: FPC or AuthenTec plain sensor
- Communication Interfaces: USB2.0, RS232, TTL
- Operating Temperature Range: -25°C to +70°C
- Operating Humidity Range: 20% to 95%
- Power Supply: DC5V
- Operating Power Consumption: 200mA @ 5V (maximum)
- Dimensions(L*W*H): 88mm*56mm*29mm
- Lifespan: 10,000,000 uses

APPLICATIONS

- ID authentication and time & attendance management for staff members in the field of finance, (i.e.. bank, loan, and insurance sectors)
- Information collecting and live status tracking for retirees
- Examinee identification
- OA system information security management