

## Features

The FingerGuard S Module is well suited to integrate the modern fingerprint technology into existing devices. It consist of two parts – the Standalone Module and the FingerChip. Both are connected via a flexcable up to 100 mm length.

### Standalone Module

- Fingerprints:
  - 30 Templates in Identification Mode
  - 500 Templates in Verification Mode
- Fast and reliable Recognition:
  - Fingerprint Encoding: ~ 1sec
  - Fingerprint Matching: ~ 20msec
- FAR /FRR (1:1 Matching): 0,002%/5 % adjustable by Application Needs
- Operating Voltage: 7,5V to 9V DC (regulated)
- Power Consumption: 1W
- Operating Temperature Range: 0°C to +70°C: C suffix
- Two-Wire Serial Interface TTL
- Non-Volatile Memory
- Firmware Application defined , SDK available
- 3 LED Outputs
- 1 Digital Input
- Credit Card sized

### FingerChip

- Image Zone: 0.4 x 14 mm = 0.02" x 0.55"
- Pixel Pitch: 50 µm x 50 µm = 500 dpi
- Naturally Protected Against ESD: > 16 kV Air Discharge
- Resistant to Abrasion: >1 Million Finger Sweeps
- Versions: Chip-On-Board (COB), Chip-On-Board (COB) with Connector, or 20-lead Ceramic DIP

## Applications

- Access Control, Electronic Device Access
- In-room Hotel Safes, Door Locks,
- Automotive
- Point of Sale, Cashes

## FingerGuard S

### Fingerprint Standalone Module with FingerChip™

