# iF502

*Best Solution of Fingerprint Identification*

## Features

RoHS | ISO 9001:2015 | IP67

508 dpi Resolution

Low-Halogen

RCA 200 cycle

7H Hardness

Cross-cut Test 5B

High Speed SPI

## Fields of Application

Smart Home

IoT Application

Door locks

Laptop locks

## *What Can We Do*

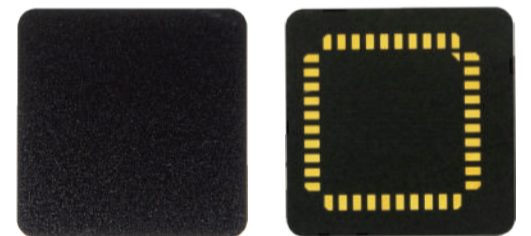*Sensors and Modules customized*

*Turnkey Solution*

*ASIC / ODM*

## Fabulous Fingerprint Identification

iF502 is a fingerprint sensor based on capacitive sensing technology, with hardened surfaces and strengthened ESD. The build-in circuitries minimize external components quantity, and iMD's special core technology also enhance signal-detecting sensitivity to get better quality of image.

iF502 is one of approach for smart home, IoT, especially laptop. It is easy to embed in different kinds of devices to secure end-users property, regardless of floodlight and dry or wet fingers.

*For more details, please contact us and we will feedbeck you soon, thank you.*

## SPECIFICATIONS

| | |
|---|---|
| Pixel Size | 192 × 192 |
| Sensing area | 9.6 × 9.6 mm |
| Module/Package Size | 12.8 × 12.8 × 0.7 mm |
| Supply voltag = 3.3V with 10% variationse | 3.0 - 3.6 V |
| Total Supply Current | 7.48 mA |
| Standby Current | 1.8 mA |
| Sleep Current | NA |
| Operating temperature | -20 to 70°C / -4 to 158°F |
| Storage Temperature | -40 to 85°C / -40 to 185°F |
| FPS | 38.4/sec |
| ESD Tolerance Air-discharge | ±15 KV |
| Conatact-discharge | NA |