

# SF108AQ

Best Solution of  
Fingerprint Identification

## Features



508 dpi Resolution

IEC 61000-4-2

Low-Halogen

High EDS Tolerance

High Speed SPI

Low Power Consumption

## Fields of Application

Contactless Payments

Access control system

IoT Application

Door locks

## What Can We Do

Sensors and Modules customized

Turnkey Solution

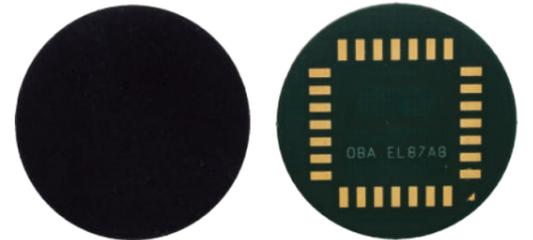
ASIC / ODM

## Fabulous Fingerprint Identification

SF108AQ 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.

SF108AQ is one of approach for IoT, access control, and contactless payments. It is easy to embed in devices to secure end-users property, and avoiding the risk of forgery or fraudulent charge.

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



## SPECIFICATIONS

|   |                            |
|---|----------------------------|
| Pixel Size                                | 160 x 160                  |
| Sensing area                              | 8 x 8 mm                   |
| Module/Package Size                       | φ13.8 x 13.8 x 0.7 mm      |
| Supply voltag = 3.3V with 10% variationse | 3.0 - 3.6 V                |
| Total Supply Current                      | 5.5 mA                     |
| Standby Current                           | 1.5 mA                     |
| Sleep Current                             | 1 μA                       |
| Operating temperature                     | -20 to 70°C / -4 to 158°F  |
| Storage Temperature                       | -40 to 85°C / -40 to 185°F |
| FPS                                       | 27.4/sec                   |
| ESD Tolerance Air-discharge               | ±20 KV                     |
| Conatact-discharge                        | NA                         |

