

# SM-92M

## FBI-PIV Optical Fingerprint Module

SM-92M is a durable optical fingerprint OEM module with high-quality FBI-PIV certificate and in compliance with Mobile ID FAP20 specification. With a lightweight and compact design, SM-92M can be easily assembled into handheld or tablet mobile authentication devices for indoor and outdoor uses.



## Features

**FBI PIV Certified** high quality images

**Compact and Durable** 15mm thickness, durable optical sensor, IP65 dustproof and waterproof

**Live Finger Detection** technology

**Multiple Platforms Supported** SDKs available for easy integration with Android, Windows, and Linux

**Template Options** MIAXIS, ISO 19794-2&ANSI 378

**UART&USB** multiple interfaces



Optical Sensor



FBI PIV Certified



IP65



Live Finger Detection

# SM-92M Optical Fingerprint OEM Module

## Scenarios

SM-92M optical fingerprint OEM module can be widely applied in mobile payments, KYCs, banks, government agencies and other scenarios requiring identity verification.



## Specifications

<b>Product Size(L x W x H)</b> 33.7×56.7×15.0mm	<b>Sensor Type</b> Optical Sensor	<b>Sensing Area</b> 15.24*20.32mm
<b>Image Size</b> 300*400 Pixel	<b>Image Resolution</b> 500 dpi	<b>Grey Scale</b> 8 bit 256 Level
<b>FAP (Fingerprint Acquisition Profile)</b> FAP20	<b>Image Formats</b> WSQ, JPEG, RAW, BMP, ISO 19794-4, ANSI 381	<b>Live Finger Detection</b> Yes
<b>Supply Voltage</b> DC 5V±5%	<b>Supply Current</b> <b>Sleep Mode</b> ≤50 mA	<b>Supply Current</b> ≤200 mA
<b>Operating Temperature</b> -10°C to +50°C	<b>Storage Temperature</b> -20°C to +60°C	<b>Operating Humidity</b> 20%RH ~ 90%RH
<b>ESD Immunity</b> ±8kV Contact Discharge ±15kV Air Discharge	<b>Platen Ingress Protection</b> IP65	<b>Operating System Environment</b> Linux Kernel 3.X or Higher Windows 7 or Higher Android 4.1 or Higher