

FAP60 Fingerprint Module

SM-862

Product Specification

Version: V1.0



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Document Revision History		
Version	Date	Comment
V1.0	3/2025	First issue

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1. Product Overview

1.1 Brief Introduction

MIAXIS® SM-862 is a slim FAP60 fingerprint capture module compliant with FBI IEBTS Appendix F standards. Featuring a thickness of only 15.3mm and a compact design, it is lightweight and easily integrable into various devices.

1.2 Application

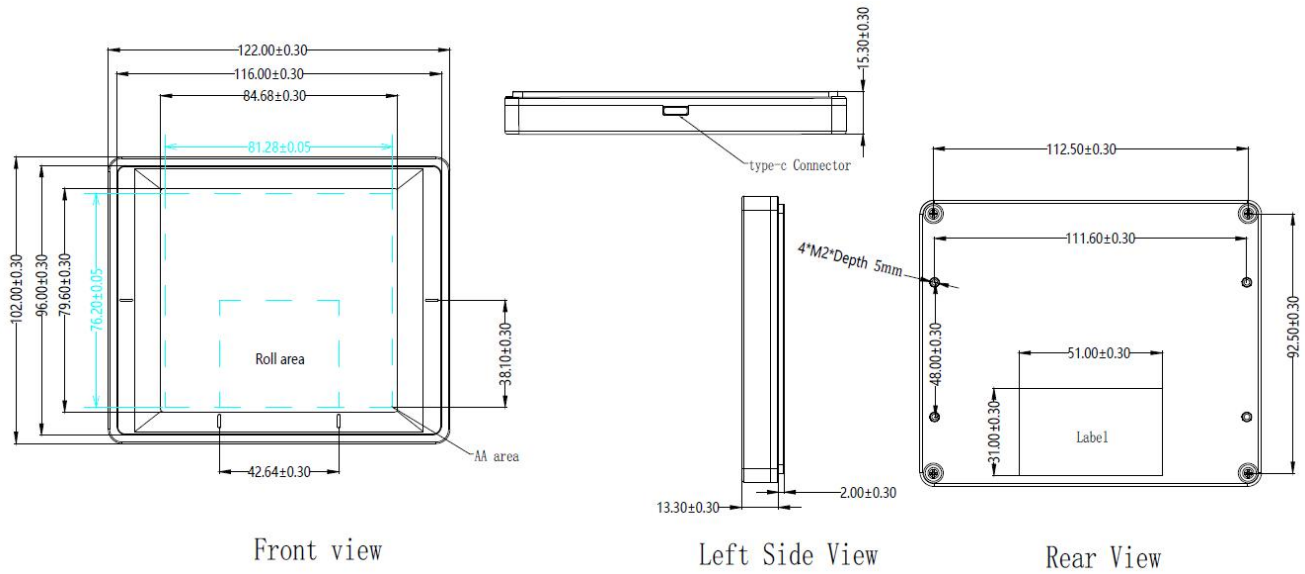
Ideal for identity verification, border control, law enforcement, and other biometric systems requiring precise fingerprint capture and analysis..

2. Product Specification

2.1 Technical Parameters

Specification	Detail
Product Size (L x W x H)	122mm x 102mm x 15.3mm
Sensor Area (L × W)	81.28mm x 76.2mm (Flat Fingerprints) 42.64mm × 38.1mm (Rolled Fingerprints)
Platen Size (L x W)	84.68mm×79.6mm
Weight	162g
Sensor Type	TFT Capacitive Sensor
Image Spec	FBI IEBTS Appendix F
Image Resolution	500 dpi
Image Size (W x H)	1600 × 1500 pixel (Flat Fingerprints) 800 × 750 pixel (Rolled Fingerprints)
Grey Scale	8bit, 256 levels
Image Format	RAW
Supply Voltage	DC5V±5% (USB powered)
Communication Interface	USB 2.0 Type-C
ESD Immunity (Sensor Surface)	±8KV contact discharge, ±15KV air discharge
Operating Temperature	0°C to +50°C
Storage Temperature	-40°C to +85°C
Operating Humidity	10%RH~90%RH, non-condensing
Ingress Protection	IP65 (Sensor Surface)

2.2 Mechanical Dimension



Mechanical Dimension (Unit: mm)