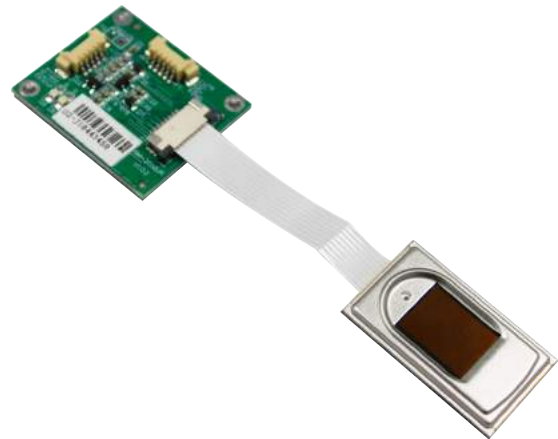


SM-205BJR Standalone Capacitive Fingerprint Embedded Module

>> OVERVIEW

Miaxis® Model SM-205B fingerprint modules are high-performance standalone fingerprint modules equipped with reliable high quality capacitive sensor and powerful CPU while power efficient. 1:1 verification time in 300 msec and fast power-on time.



>> SPECIFICATION

CPU	84MHz, Cortex-M4
Flash memory	1MB(Expandable up to 16MB)
Board size(L x W x H)	35.0 x 30.0 x 7.5mm
Sensor size(L x W x H)	33.4 x 20.4 x 2.4mm
Sensor type	FPC1011F
Active platen area	10.64 x 14mm
Image size	152 x 200 pixel
Image resolution	363dpi
Gray scale	8 bit (256 levels)
Enrollment time	≤250ms (finger image capture to template)
1:1 Verification time	≤300ms (feature extraction + 1:1 matching)
1:N Matching time	≤1s, N=256
Template size	256 bytes default
Fingerprint capacity	1000 templates(Expandable)
ESD immunity	±8kV contact discharge ±15kV air discharge
Supply voltage	DC 5V±5%
Supply current	≤70mA
Communication interface	USB&UART
Operating temperature	-10°C ~ +50°C
Operating humidity	20%RH ~ 90%RH



363 dpi resolution



FPC1011F capacitive sensor



1:1 verification in 300 msec



Low power-consumption



Fast power-on time



Multiple interfaces UART&USB for easy development