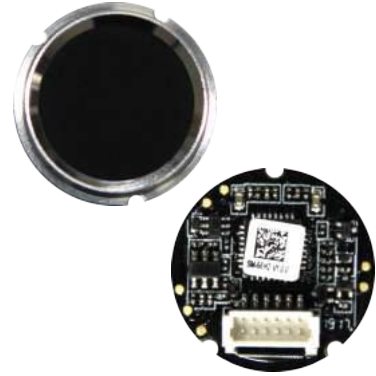


SM-66H2 Circle Integrated Fingerprint Module

>> OVERVIEW

Miaxis® Model SM-66H2 is an circle integrated fingerprint module with adopted Miaxis proprietary fingerprint algorithm and circle shape capacitive sensor, ultra-compact design, born for smart door look applications.



>> SPECIFICATION

CPU	110MHz Cortex-M3
Flash memory	512KB
Module size(L x W x H)	Φ18.3mm H7.8mm
Sensor type	Capacitive sensor
Active platen area	9.6 x 9.6mm
Image size	192 x 192 pixel
Image resolution	508dpi
Gray scale	8 bit (256 levels)
Enrollment time	≤1s (finger image capture to template)
1:1 Verification time	≤600ms (feature extraction + 1:1 matching)
1:N Matching time	≤1s, N=100
Template size	512 bytes default
Fingerprint capacity	100 templates
ESD immunity	±8kV contact discharge ±15kV air discharge
Supply voltage	DC 3.3±0.3V
Supply current	≤50mA
Communication interface	UART
Operating temperature	-20°C ~ +60°C
Operating humidity	40%RH ~ 80%RH



508 dpi capacitive circle sensor



Ultra-compact design



Fast 1:1 verification time within 0.6s



Extra low power-consumption



Touch wake-up function