

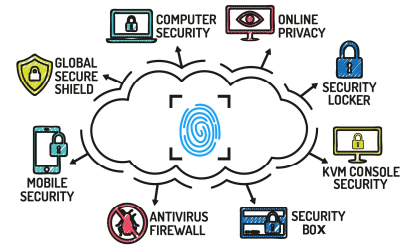
# FPM-WSA52

## Capacitive Fingerprint Recognition Module

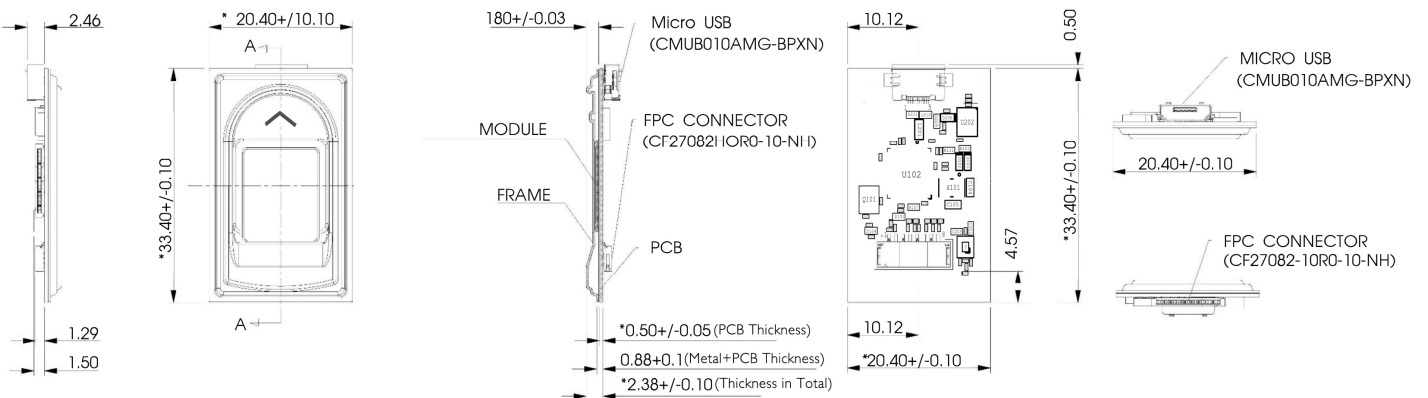


FPM-WSA52 capacitive fingerprint recognition embedded module is a standalone solution with capacitive fingerprint sensor, algorithm processor and on-board template storage. As a total solution, FPM-WSA52 can be used standalone or connected to a host CPU over USB and UART. It can be widely applied in various fields such as access control systems, locks and safes, medical equipment, security applications and time & attendance.

SPECIFICATION		
MCU	ARM Cortex M4 Core (ST STM32F401)	
Resolution	508 DPI	
Sensing Area	14 x 11mm	
Sensor Type	Capacitance Type	
Interface	USB 2.0, UART	
Authentication	Verify (1:1) or Identify (1:N)	
Hardness / Surface	Up to 8H / Cermet-like Coating	
FAR / FRR	< 0.001% / < 1%	
No. of Placements	> 2.5 million finger placements	
Power input	5VDC	
Anti-ESD	HBM Air Discharging +/-15KV	
Pixel matrix / Color	192 x 192 pixels / 256 true gray scale values	
Quantity of Stored Fingerprint	200 pcs	
Connector Type	8 pin, 1mm pitch FPC connector; Micro USB connector	
Environment	Operating Tem	20 ~ 60° C / < RH 90%
	Storage Temp.	-20 ~ 85° C / < RH 90%
Module Dimension	20.4 x 33.4 x 4.75mm (W x L x T)	
Weight	3.3 gram	



### DIMENSION



\* Features and specification are subject to change without notice.