

FPM-5110C2

Optical Fingerprint Recognition EMBEDDED Module

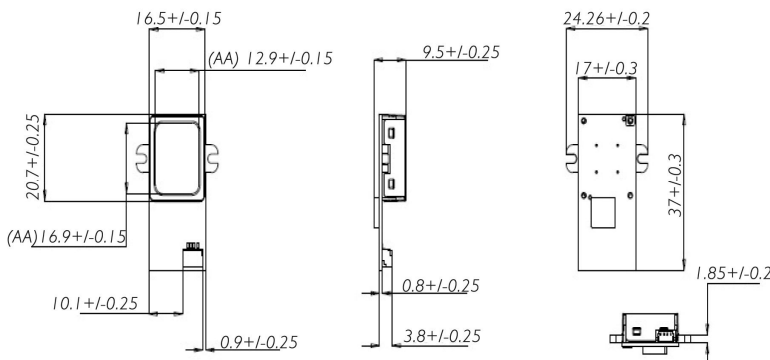


The Digimore **FPM-5110C2** is one chip fingerprint reader designed for integration into products with USB 1.1 and UART interface. **The** module built in high quality optical sensor with sufficient effective area. **The** reader within the Holtek HT32F2755 device is high performance, low power consumption 32-bit microcontrollers based around an RISC CPU and the fingerprint algorithm is processed on it. It can be widely applied in various fields such as access control systems, locks and safes, medical equipment, security applications and time & attendance.

SPECIFICATION

CPU	32bit RISC CPU (Holtek HT32F2755)	
Sensor	Optical sensor with SmackFinger v3.0 engine	
Effective Area of the Sensor	14 x 12.5 (mm)	
Resolution	More than 403 dpi	
Number of fingerprints	Support up to 20 fingerprints	
Algorithm Matching Mode	1 : 1, 1 : N	
Size of Template	1404 bytes (template)	
Interface	USB 1.1 full speed, UART (default baud rate=9600bps after power on)	
FAR/ FRR	False Acceptance Rate (FAR) < 0.0001%; False Rejection Rate (FRR) < 0.5%	
Enrollment Time/ Identification Time	<3 sec. (3 fingerprints); <1.2 sec.	
Operating Voltage/ Current	DC 4.5V ~ 6V	
Operating Temperature	-20 to 60 degrees Celsius (20% to 80% RH, 25 degree Celsius)	
Storage Temperature	-20 to 60 degrees Celsius (10% to 80% RH, 25 degree Celsius)	

DIMENSION



* Features and specification are subject to change without notice.



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