



Datasheet

Fingerprint sensor module

P/N: HM-USBFPS-2642



Version: 1.0

1 COMPANY OVERVIEW

HIMIL is involved in Design & Development of Fingerprint sensor (FPS) Module.

2 MODULE OVERVIEW

The FPS Module is a USB-based secure authentication device designed to verify user identity and control access to the host unit. The block diagram is shown in Fig 1.

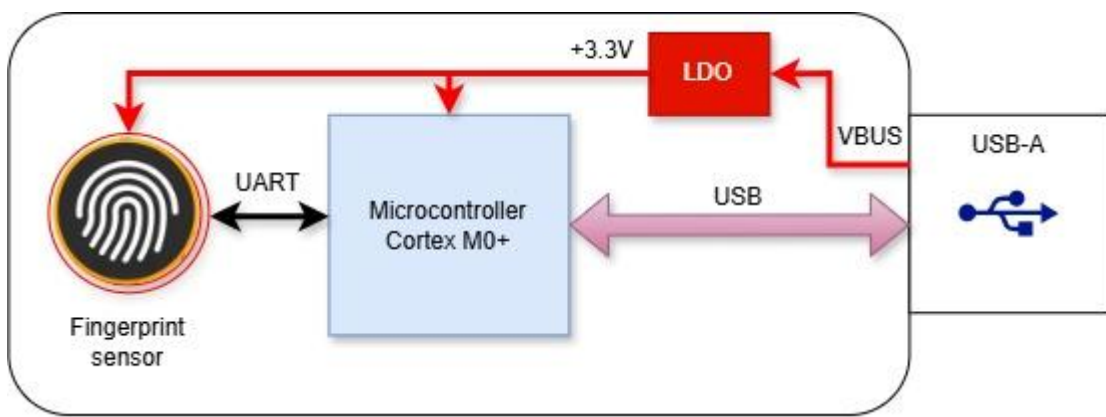


Figure 1 Block Diagram of FPS Module

3 ELECTRICAL SPECIFICATIONS

SL. NO	PARAMETERS	SPECIFICATION
1	Microcontroller	ARM Cortex M0+
2	Flash Memory	256KB
3	SRAM	144KB
4	Sensor type	Capacitive touching
5	Fingerprint capacity	30 Max, 3 admin access included
6	Encryption	256 AES Encryption key
7	USB Interface	USB 2.0, Full Speed, 12 Mbps
8	Power Supply	+5 V $\pm 10\%$
9	Operating current	<80mA
10	Host Interface	USB2.0 Type-A Plug
11	Operating Temperature	-40°C to +85°C

Regd. Office

Himil μ wave ResearchCo Pvt Ltd.

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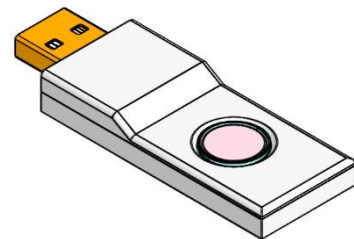
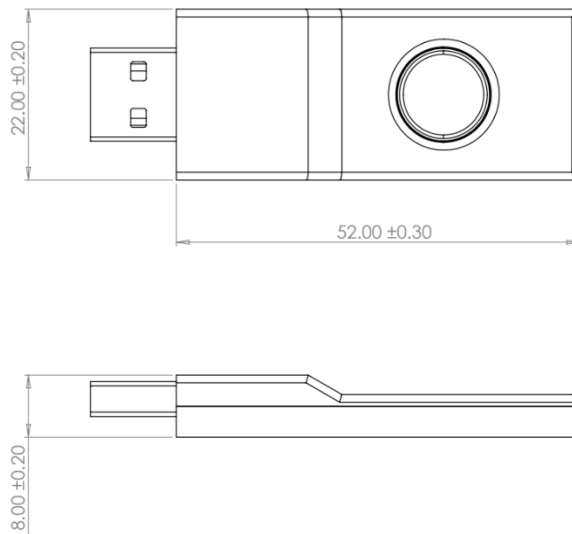
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4 DIMENSIONS



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