

FIM2030/2040 Datasheet

Description:

FIM Module Series has functions of fingerprint enrollment, identification, partial and entire deletion and reset in a single board, it does not require connection with a separate PC, thereby offering convenient development environment.

Models

Module classification:

- FIM2030 optic module more compact and reduced dimensions
- FIM2040 optic module compatible with the previous model FIM01

Application areas

- Access control system
- Attendance control / Personnel management
- Door Lock Systems
- Access Controller (small size)

FIM2030 / FIM2040			
Fingerprint Sensor		OPP03	OPP04
Sensor Cable		FPCB	
Board Spec	Specification	ARM9, SDRAM : 8MB, Flash Memory : 2/2+4M	
	Dimension	43 X 93 [mm]	
User Environment	Supply voltage	5V +- 0.5 [V]	
	Consumption	280(Idle) ~ 300(Max) [mA]	
	Temperature	-20 ~ +60 [C]	
	Humidity	RH 95 [%]	
Authentication	Time	1:1	Less than 1 sec
		1:N	Less than 2 sec on average (1,000)
	Rate	FRR : 1/1,000, FAR : 1/100,000	
	Method	1:1, 1:N, Password, Device Password	
	Log data	8,000 ea	
	Number of user	1,000 users / 4,000 users	
External I/O	RS232	(2channels) : 9,600 ~ 115,200 [BPS]	
	In(4)	(4) : Enroll, Deletion(entire deletion), Verification, Reset	
	Out(2)	(2) : Success, Failure	
MIFARE SOC		X	
Data Encryption		AES	