

Fingerprint recognition module HFP-360

General

HFP-360 fingerprint module is an integrated fingerprint processing module that integrates capacitor chip acquisition and fingerprint processing. It has the characteristics of small size, low power consumption, simple interface, high reliability, and high anti-counterfeiting degree, and eliminates problems such as fingerprint film. When reading fingerprint images, it has a sensitive response and judgment to both dry and wet fingers, achieving the best imaging quality and suitable for a wide range of people. You can also customize self-learning and adaptive functions to automatically adjust parameters based on user habits, climate change, and other changes, achieving better matching. Equipped with self-learning function, in the fingerprint recognition process, new fingerprint feature values are successfully extracted and recognized, and then fused into previous fingerprint features. In practical use, the more useful the better.

HFP-360 module can communicate with the master device through two communication protocols, USB and UART. As a slave device, this module is controlled by the master device by sending relevant commands. The main device is connected to the module through a 4PIN * 1.25 electronic cable.

Specification

Size		30(L)*22(W)*1.1(H) mm
Sensor	Window size	18*12 mm
	Pixels	256*360 pixels
	Resolution	508 DPI
	Backlight color	None
Algorithm	Overall recognition time	<1(s)
	Search time	<0.5(s)
	Storage capacity	1000(pcs) (supports local and backend storage)
	False admission rate	<0.001%
	Authenticity	<1%
Interface	UART	Baud rate bps:57600 Data bit:8 Stop bit:2 Check bit:None
	USB	2.0FS
Electrical parameters	Voltage	3.0-3.6(V), Standard:3.3V
	Standby current	5(uA); <40 mA(Only sensing part works)

	Working current	<200 mA
Work environment	Temperature	-20 °C~60 °C
	Humidity	40% °C~80% °C(No condensation)

Picture

