



Feigete Intelligent Technology Co., Limited

ADD: 2 Floor, Building No.51, Bantian No.3 Industrial Area, Longgang District, Shenzhen
TEL: 86-755-82338710 website: www.smartfeigete.com

- ✧ Exquisite structure: 59.1x32x16.6mm ultra-thin structural design.;
- ✧ Clear images: Equipped with residual fingerprint suppression function, capable of capturing high-definition fingerprint images;
- ✧ Efficient capture: Utilizing optical distortion-free fingerprint imaging technology for fast capture speed;
- ✧ Authoritative certification: Compliant with the U.S. FBI PIV Mobile ID FAP20;
- ✧ International standards: Compliant with ISO19794-2, ISO19794-4, ANSI378, WSQ, and other international standards ;
- ✧ Simple development: Standard USB interface, providing SDK source code

Model No: FR505

Biometric Fingerprint Reader

	Communication Interface+C5:E22	USB1.1/2.0
	Supply Voltage	5V (typical value), with a range of 4.2V to 5.5V
	Operating Current	40mA (typical value), peak current: 80mA.
	Sensor Types	Optical Sensor FAP20 standard; scratch resistant;
	Live Detection	Support live fingerprint detection
	Connectivity/Communication	Wired, USB-A
	Dimension	59.1x32x16.6mm
	Acquisition Window	16.5 x 21.0mm
	Image Size	300*400 pixel
	Image Resolution	500DPI
	Distortion	< 0.1 %
	Gray Level	8-bit 256 levels
	Gray Level Dynamic Range	150
	Acquisition Time	15 frames per second
	Matching Method	matching mode (1:1) Search Mode (1: N)
	Response Time	1:N match < 1s
	FAR	< 0.01 %
	FRR	< 0.5 %
	Electrostatic Discharge (ESD) Rating	Contact discharge: ±8KV, Air discharge: ±15KV
	Communication	Windows; Android; Linux; Embedded
	SDK	Android SDK(Java/Kotlin) compatible with android OS versions from 10 onward, windows7 and above. Net framework 4.0+, and Linux with complete English documentation and sample integration guide.
	International Standards	Compliant with ISO19794-2, ISO19794-4, ANSI378, WSQ,
	Compliance/Certificates	ISO19794-2; FBI PIV, CE
	Environment Durability	IP65(Dust and water resistant)
	Operating Temperature	-10°C—+60°C
	Storage	-40°C—+60°C
	Operating Humidity	< 90%R.H (Non-Condensing)
	Storage Humidity	0~95% R.H
	Accessories	USB fingerprint scanner; USB-A(Female)to USB-C(Male)Otg Adapter as option
	Brand	SFT or Customized, free SDK for secondary development

