

	Functionality	Technology	Customer Benefit
Interfaces	Bluetooth	Class 2 Bluetooth 2.1 Compatible with both Android and iOS	Image capture and transfer < 3sec Encrypted into 256-bit AES
	USB	OTG capabilities Micro USB connector	Plug & Play capabilities For both data transfer and charging
Hardware specifications	Long-life rechargeable battery	3.7V 1240 mAh Li-Ion battery Charge gauge Rechargeable via USB connection (3-5 hrs.)	~800 fingerprints on a single charge
	Memory	32MB FLASH memory (optional) 2MB SRAM memory	Can store up to 5000 templates ('Pro' device only) <b>Extraction</b> & Identification on device capabilities ('Pro' only) User programmable area of 4 KBs
	High processing capacity	ARM based DSP 192 MHz Programmable device	Allows flexibility and adaptability to various needs and applications. Firmware can be updated through our website.
	Notification	3 LED Buzzer	Immediate status indication on the device
Image Formats	Raw image	256 grayscale image (8 bit) Improved image quality	Customer may use any algorithm for extraction/matching.
	Compressed image	TIFF, JPEG, WSQ	Customer can use his preferable format
	Template (available for 'Pro' device only)	ISO/IEC 19794-2:2005 ANSI/INCITS 378-2004 SBS extraction algorithm	Image capture and transfer - 1 ~ 2 Sec
Sensor Specifications	Biometric Fingerprint Sensor	Capacitive TCS1CT – Gold-Coat Certified: FIPS 201 PIV > 1,500,000 finger capturing Capacitive TCS1ST Steel-Coat for enhanced durability(for moisture conditions) > 2,500,000 finger capturing Resistance to electro-static discharges, scratches and shocks, +/-15KV ESD	IP 65 (water, dust protection), Enhanced Image Mode (EIM) High signal-to-noise ratio, excellent robustness, suited for high quality capture across a wide range of fingerprint types. The image quality is resilient to various environmental conditions encountered in the field, like sunlight, dust, residual latent prints, etc.
	Image size	508 dpi, 8bit grayscale 256 x 360 Pixels (12.8x18mm)	Allows only live finger scans (no fake finger detection) Suitable for all 1: N and AFIS tasks
SDK	Operating Systems Supported	iOS, Android, Windows, Linux, Mac	SDK has a consistent interface across all versions. NFIQ is available through our SDK
	Security	MAC list features	Manage list of authorized phones
		Template Signature (X9.84 standard)	Guarantee the origin and the integrity of the data sent to the Host System
		Connection Password	Additional password (optional) to establish connectivity
	IO packet encryption	Additional security layer of security on top of BT session	
Physical Specifications	Handheld Device	6.5 x 8.3 x 1.5 cm / 2.5 x 3.2 x 0.6 inches 85gr/0.2lbs	Compact, portable mobile device
	Durable	Sealed ABS plastic Dust proof Water resistant Operating temperature -30 to +70°C / 5% to 93%RH Storage temperature -30 to +125°C / 5% to 93%RH	Suitable for outdoor and harsh conditions

**Certifications**

**FIPS 201 PIV compliance**

**BT SIG (D033153)**

**USBIF**

**FCC**

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