

FM220U L1

Fingerprint Scanner

Secure | Accurate | Compact.
Perfect for secure authentication
in government, corporate, and
personal applications.



Energy Efficient:
Uses just 1 watt, with
40mA in standby.

High-Resolution:
600 dpi sensor for
precise fingerprint
scans.



Ergonomic design:
Guides finger position
for effective scanning.

Durable: Withstands
tough conditions (-5°C
to 45°C, ESD up to 10KV).



**Compact and
Lightweight:** Easy
to carry at 100g.

Certification: STQC &
UIDAI certified L1 Optical
scanner with live finger
detection.

Lightweight & Portable (100g)



FM220U L1 Specifications

Sensors & Weight	Optical, 100g (approx)
Image Resolution	500 dpi (H), 500 dpi (V)
Image Capture Area	13.41 x 16.45(mm); 15.44 x 17.475 (mm) Optional
Platen Area	16.5×19 (in mm) (HxV)
Scanner Output Image Size	264×324 pixel (HxV), 304 x 344 pixel (HxV) Optional
Gray Level	8 bit/pixel, max 256 grayscales
Image	Supporting JPEG 2000 lossless, ISO, PIV, WSQ (Compression 10:1)
Scanner Interface Cable	1 USB compliant cable, Micro USB & Type-C
Power Supply	1 Watt. Approx. (From USB port)
Dimension	80mm(L) x 41mm(W) x 40mm(H)
Distortion	< 1% Meeting PIV specifications
Operating Temperature, ESD	-5 - 45 C, 10 KV
MTBF	>100,000 operation hours
Scanning Light source	Ultra Red(940nm) capable of supporting more than 600 dpi
Supported Operating Systems	Windows 8 & above, Android 5 & above and Linux 2.6 (x86)
API	Image Capture, Enrollment / Template Extraction
Certifications	ISO 19794-2, ISO 19794-4, FIPS 201* Compliant, Minex-III, STQC and UIDAI certified L1 thermal fingerprint scanner



ISO 9001:2015
ISO 14001:2015
ISO 27001:2018

Manufactured by:

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