

MatriXcan Panel

Revolutionary MatriXcan Panel for capturing best quality of images

MatriXcan Mapping

BPS
Bipolar Sampling

PRS
Partial Response
Synthesization

PNZ
Pixel Normalization

AGS
Anti Ghosting Scan



MatriXcan Extracting

Extract most minutiae you've ever seen

MatriXcan™

REVOLUTIONARY TECHNOLOGY

Differing from two kinds of typical fingerprint verification solution, optical and capacitive, iMD's world-leading technology MatriXcan™ is able to capture the best quality of fingerprint images, to extract most minutiae you have ever seen, and to output with outstanding speed and security.

MatriXcan™, the extremely clear and distinct images captured on dry, worn and wet fingers makes the high possibility to adapt all sorts of finger conditions without exceptions.

ROSSII

GF851ER

Fingerprint Reader
High Compatibility

ANSER IS
YOUR ANSWER



FEATURE

- Remarkable GF Series Fingerprint Sensor!
- 4-4-2 fingers registration/verification
- Outstanding image quality on dry/worn/ wet fingers
- Low power consumption
- Fingers LED indicator
- Latent print, UV, strong light resistance
- Voice guidance for users and visually impaired
- Hard surface for scratch protection
- Excellent ESD performance
- High security and reliability
- Live Finger Detection
- Finger type detection and classification
- Ingress protection IP64

SPECIFICATIONS

Item	Parameters
Model Name	GF851ER
Image Size	1600 Pixels x 1000 Pixels
Sensing Area	81.28 mm x 50.8 mm
Platen Area	83.4 mm x 70.2 mm
Resolution	500 dpi
FPS	Flats: 10 / sec, Rolls : 15 / sec
LED indicator	4 green LEDs
LFD	Supported
Power Consumption (read image)	650 mA
Power Consumption (standby)	310 mA
Interface	USB Type-C
Device Size	130.3 mm x 121.18 mm x 48.5 mm
Device Weight	408 g
ESD Level	IEC 61000-4-2 Level 4
Material	Plastic
Certifications	FBI: Appendix F (FAP50); FCC Part 15, RoHS, CE
OS Support	Windows7+; Linux(X64, ARM); Android 4.2+
IP Rating	IP64
Temperature [Operation / Storage]	-10°C ~ +55°C / -40°C ~ +80°C