

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 or worn fingers makes the high possibility to adapt all sorts of finger conditions without exceptions.

ANSER IS
YOUR ANSWER

ROSSII

GF851EM / GF851EM-S

Fingerprint Module
Easy Integration



FEATURE

- Remarkable GF Series Fingerprint Sensor!
- 4-4-2 fingers registration/verification
- Outstanding image quality on dry/worn/ wet fingers
- Low power consumption
- Latent print, UV, strong light resistance
- Live Finger Detection
- Hard surface for scratch protection Excellent
- ESD performance
- High security and reliability
- IP65 Rating
- Encryption Function (GF851EM-S)
- Ingress protection IP65

SPECIFICATIONS

Item	Parameters
Model Name	GF851EM / GF851EM-S
Image Size	1600 Pixels x 1000 Pixels
Sensing Area	81.28 mm x 50.8 mm
Resolution	500 dpi
FPS	Flats: 10 / sec, Rolls : 15 / sec
LFD	Supported
Power(read image)	450 mA
Interface	USB Type-C / USB 2.0 (4 pin)
Device Size	115.49 mm x 90.49 mm x 13.2 mm
Device Weight	135 g
ESD Tolerance	Con +/-8KV, Air +/-15KV
Certifications	FBI: Appendix F (FAP50); FCC Part 15, RoHS, CE
OS Support	Windows7+; Linux(X64, ARM); Android 4.2+
IP Rating	IP65
Temperature [Operation / Storage]	-10°C ~ +55°C / -40°C ~ +80°C