

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 Plus

GF851EM-D

Syncretic Display Fingerprint Module
High Compatibility

ANSWER IS
YOUR ANSWER



FEATURE

- Remarkable MatriXcan Fingerprint Sensor!
- 4-4-2 fingers registration/verification
- Live Display
- Signature Function
- Low power consumption
- Outstanding image quality on dry/worn/ wet fingers
- Hard surface for scratch protection
- Excellent ESD performance
- High security and reliability
- Liveness Finger Detection
- Finger type detection and classification
- Latent print, UV, strong light resistance

SPECIFICATIONS

Model Name

- GF851EM-D

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

LFD

- Supported

Power Consumption

- 750 mA(read image)
- 460 mA(standby)

Interface

- USB Type-C / USB 2.0 (4 pin)

Device Size

- 115.49 mm x 90.49 mm x 16.2 mm

Device Weight

- 139.1 g

ESD Level

- IEC 61000-4-2 Level 4

Certifications

- FBI: Appendix F (FAP50)
- FCC Part 15
- RoHS
- CE

OS Support

- Windows7+
- Linux(X64, ARM)
- Android 4.2+

Temperature [Operation / Storage]

- -10°C ~ +55°C / -40°C ~ +80°C