

## **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

## GF851ER-D

Syncretic Display Fingerprint Reader  
High Compatibility



## FEATURE

- Remarkable MatriXcan Fingerprint Sensor!
- 4-4-2 fingers registration/verification
- Live Display
- Signature Function
- Outstanding image quality on dry/worn/ wet fingers
- Fingers LED indicator
- 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
- Voice guidance for users and visually impaired

## SPECIFICATIONS

### Model Name

- GF851ER-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

### LED indicator

- 4 green LEDs

### LFD

- Supported

### Power Consumption

- 1000 mA(read image)
- 500 mA(standby)
- 100 mA(sleep)

### Interface

- USB Type-C

### Device Size

- 130.3 mm x 121.18 mm x 48.5 mm

### Device Weight

- 446 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+

### Temperature [ Operation / Storage]

- -10°C ~ +55°C / -40°C ~ +80°C