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# ROSSII GF851ER

Fingerprint Reader  
High Compatibility



## Features

- Remarkable MatriXcan Fingerprint Sensor
- 4-4-2 fingers registration/verification
- Outstanding image quality on dry/worn/ wet fingers
- Fingers LED indicator
- Latent print, UV, strong light resistance
- Voice guidance for users and visually impaired
- Finger type detection and classification
- LFD supported (HW / SW)
- Hard surface for scratch protection
- Excellent ESD performance
- High security and reliability
- Encryption function
- IP54

## OS Support

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

## Certification

- FBI Appendix F (FAP50)
- MOSIP
- FCC
- CE
- RoHS

## MatriXcan™ 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.

## Specifications

|                             |                                   |
|-----------------------------|-----------------------------------|
| Image Size                  | 1600 pixels x 1000 pixels         |
| Sensing Area                | 81.28 mm x 50.8 mm                |
| Platen Area                 | 83.32 mm x 69.75 mm               |
| Resolution                  | 500 dpi                           |
| FPS                         | Flats: 10 / sec, Rolls : 15 / sec |
| ESD Level                   | IEC 61000-4-2 Level 4             |
| Power Consumption (read)    | 650 mA                            |
| Power Consumption (standby) | 310 mA                            |
| Interface                   | USB 2.0 Type-C connector          |
| Device Size                 | 130.45 x 121.45 x 50 mm           |
| Device Weight               | 408 g                             |
| Temperature (Operation)     | -10°C ~ +55 °C                    |
| Temperature (Storage)       | -40°C ~ +80 °C                    |

