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# ROSSII Plus

## GF851EM-D / GF851EM-L

Syncretic Display Fingerprint Module  
High Compatibility



### Features

- Remarkable MatriXcan Fingerprint Sensor
- 4-4-2 fingers registration/verification
- Outstanding image quality on dry/worn/ wet fingers
- Live Display
- Signature Function (GF851EM-D)
- Latent print, UV, strong light resistance
- LFD supported (HW / SW)
- Hard surface for scratch protection
- Excellent ESD performance
- High security and reliability
- Encryption function
- IP65 (sealed bezel to scanning surface)

### 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)	900 mA
Power Consumption (standby)	600 mA
Interface	USB 2.0 10 pin wafer connector
Device Size	115.87 x 90.87 x 15 mm
Device Weight	157.8g
Temperature (Operation)	-10°C ~ +55 °C
Temperature (Storage)	-20°C ~ +80 °C

