IMAGE MATCH DESIGN

FINGERPRINT READER
FAP 30 · EDM 2026

FABALIS

GF631CR · FAP 30

High-Precision Single-Finger Enrollment



RESOLUTION	IMAGE SIZE	SENSING AREA	PLATEN AREA	PROTECTION
500 dpi	400 × 500 pixels	20.32 × 25.4 mm	21.84 × 39.47 mm	IP54 dust & splash

Thumb-optimized single-finger capture.

The FABALIS FAP 30 fingerprint reader uses iMD's MatriXcan™ imaging technology to deliver clear, high-resolution capture across dry, wet and worn fingers. Designed for government, enterprise and identity-management applications, it provides fast, accurate enrollment with advanced spoof detection and a durable, scratch-resistant sensor for long-term, high-volume use.

RoHS COMPLIANT	FBI	FCC	CE	ISO
	PIV (FAP 30) FIPS 201	Part 15 Class B	EN 55032 / 55035 Class B · Immunity	19794-4 Template output

One Touch. Infinite Trust.

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FEATURES Key features

- Remarkable MatriXcan™ fingerprint sensor
- 1 finger registration / verification
- Optimal fit for the thumbprint
- Live finger detection
- High security and reliability
- Outstanding image quality on dry / worn fingers
- Low power consumption
- Latent print, UV, strong light resistance
- Hard surface for scratch protection
- Excellent ESD performance
- RoHS compliant and low-halogen
- IP54

SPECIFICATIONS Technical specifications

GENERAL

Model name	GF631CR
Image size	400 × 500 pixels
Sensing area	20.32 × 25.4 mm
Platen area	21.84 × 39.47 mm
Resolution	500 dpi
Grayscale	256 (8 bit)
Image format	PNG, BMP, JPEG, RAW, WSQ 10:1 (0.8), WSQ 15:1 (0.53), High-Quality WSQ, Low Compression WSQ
FPS	Flats 4 / 7.1 / 10.4 sec
LED indicator	RGB
LFD	Supported (HW / SW)
Interface	USB 2.0 Type-C connector
Power (read image)	95 mA
Power (standby)	80 – 90 mA
ESD level	IEC 61000-4-2 Level 4
Encryption	AES CBC 128/192/256 · AES ECB 128/192/256

PHYSICAL & ENVIRONMENTAL

Device size	73.2 × 51.4 × 24.07 mm
Device weight	56.5 g
Operating temp.	−20 °C to +70 °C
Storage temp.	−40 °C to +80 °C
Protection	IP54
RCA	200 cycles
MTBF	> 25 years

CERTIFICATIONS

FBI	PIV (FAP 30) / FIPS 201
FCC	Part 15 (per ANSI C63.4:2014) Class B
CE	EN 55032:2015+A1:2020 Class B · Immunity EN 55035:2017+A11:2020 · IEC 61000-4-2:2008 · IEC 61000-4-3:2020
Standards	ISO/IEC 19794-4:2005 / 2011

OS SUPPORT

Windows	Windows 7 or higher
Linux	Linux (x64, ARM)
Android	Android 4.2 or higher

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Specifications per FABALIS_GF631CR_Reader_datasheet (250904 V1.1) · subject to change without notice

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