

G3 Pro

Revolutionary 3-in-1 Contactless Palm and Facial Recognition Terminal



G3 Pro is powered by Computer Vision technology like 3-in-1 contactless palm recognition, which means the terminal can perform bio-authentication with a user's palm vein, palm print, and the shape of palm at the same time once the sensor detects a hand presented.

Palm vein and palm print patterns are reliable human identifiers as the details are extremely hard to be duplicated, thus, together with the powerful algorithm, users may enjoy the terminal's enhanced anti-spoofing ability.

Eliminating hygienic concerns, G3 Pro, equipped with a novel hand tracking technique allowing angle tolerance as wide as $\pm 60^\circ$ in the roll axis, the huge capacity of 6,000 palm templates, and a 1.4GHz quad-core CPU, extracts palm print and vein pattern for analysis at a distance for recognition from 0.2m to 0.5m in less than 0.35s. Users no longer need to struggle to touch the sensor at a specific angle and align the center of the palm with the center of the input sensor for proper hand images to be acquired.

Features



Modern Design & Interactive UI



Revolutionary Z-ID Fingerprint Sensor



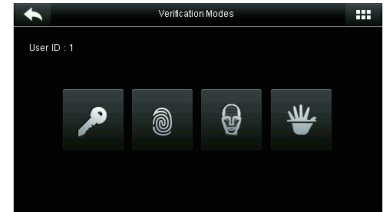
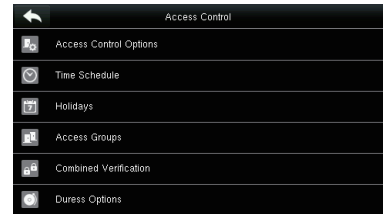
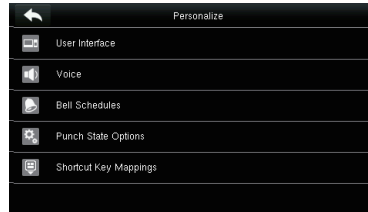
Multiple Verification Modes: Face / Fingerprint / Palm / Card / Password



Outstanding Performance With Dry, Wet and Rough Fingers



Simple Management & Scalability



Specifications (G: GL Exclusive Feature)

Capacity

Fingerprints	20,000
G Faces	12,000
G Palm	6,000
Cards	20,000
Transactions	200,000

Communication

TCP/IP
USB Host
Wiegand Output

Access Control Interface

Lock Relay Output
Alarm Output
Exit Button
Door Sensor
External Bell

Hardware

G 1.4GHz Quad Core CPU
G Memory 1G RAM / 1G Flash
Z-ID Fingerprint Sensor
G 4.3 Inches Touch Screen
Hi-Fi Voice & Indicator
Tamper Switch Alarm

Standard Functions

ID Card / Work Code / WDMS
DST / SMS / Bell Schedule
Attendance Status Auto-Switch
Record Query / Photo ID
Custom Wallpaper & Screen Saver

Special Functions

G Multiple Biometric Verification Modes
G Alive Face / Palm Detection
G Duplicate Face / Palm Detection

Optional Functions

HID Proxy / IC Card Reader
G Wi-Fi / 3G
External Printer
G Battery (2,000 mAh)
G POE (Standard IEEE 802.3at)

Compatibility

ZKBio Time
ZKBioSecurity (T&A)
WDMS

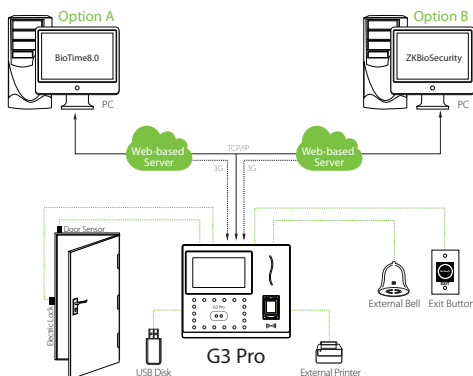
Additional Info

Working Temperature: 0 °C ~ 45 °C
Dimensions: 199.2 × 171.8 × 96.9 mm
Algorithms: ZKFace v12.0 & ZKFinger v10.0 & Armatra PALM 12.0
Fingerprint: FAR≤0.0001%; FRR≤0.01%
Face: FAR≤0.001%; FRR≤1%
Palm: FAR≤0.01%; FRR≤1%

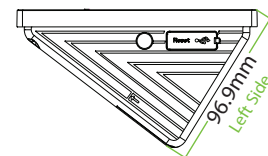
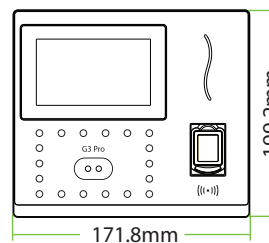
Power

Operating Voltage 12V DC
Current Draw < 500 mA

Configuration



Dimensions (mm)



V3.1 05/09/2023