G3 Pro
Revolutionary 3-in-1 Contactless Palm Recognition Terminal

Compatible with
ZKBioSecurity

Compatible with
BioTime 8.0

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 +/-60° 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

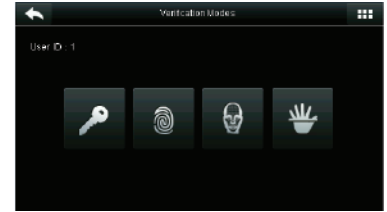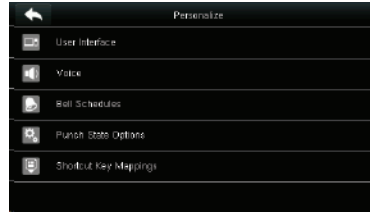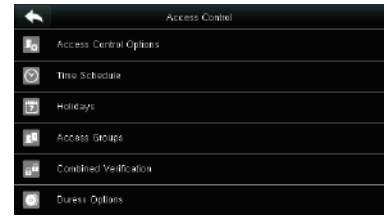**Revolutionary SilkID Fingerprint Sensor**

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

Compatibility
BioTime8.0
ZKBioSecurity (T&A)
WDMS

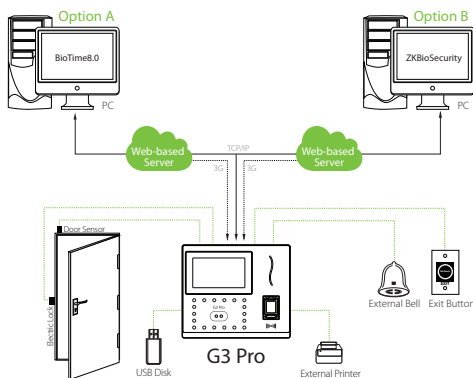## Additional Info
Working Temperature: 0 °C ~ 45 °C
Dimensions: 199.2 × 171.8 × 96.9 mm
Algorithms: ZKFace v12.0 & ZKFinger v10.0 & ZKPalm V12.0
Fingerprint: FAR≤0.0001%; FRR≤0.01%
Face: FAR≤0.001%; FRR≤1%
Palm: FAR≤0.01%; FRR≤1%

Power
Operating Voltage 12V DC
Current Draw < 500 mA

Configuration

Dimensions (mm)

171.8mm

199.2mm

96.9mm
Left Side

V1.0 2020. 02. 18