



BioFace B1

Linux-Based Hybrid-Biometric Access Control & Time and Attendance Terminal with Full Spectrum of Authentication Options



Facial Recognition



RFID



Fingerprint

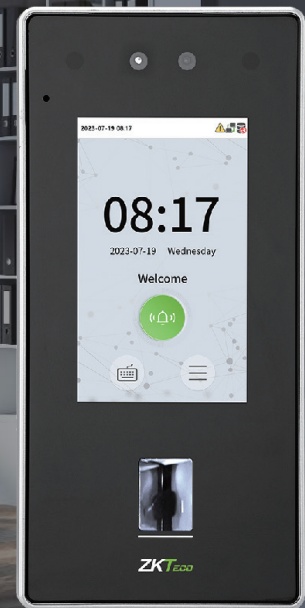


IP65 dust & waterproof rating



HD Video Door Phone

Compatible with



BioFace B1 uses intelligent engineering facial recognition algorithms and the latest computer vision technology, featuring a video intercom function.

What sets the BioFace B1 apart is its 4-inch color LCD touch screen, a 2MP binocular camera, a built-in microphone, and a speaker for two-way video communication. There are two ways to use video intercom functions. Firstly, users can have a video phone through the ZKBio CVSecurity or ZKBio Zexus app. Secondly, the terminal can connect the indoor station via SIP protocol.

The BioFace B1 can also integrate with the ZKBio Zexus to support Dynamic QR codes for access control or time and attendance protocols. Furthermore, the BioFace B1 incorporates the ultimate anti-spoofing algorithm for facial recognition, protecting most fake photos and video attacks.

Features

- Visible light facial recognition technology and in-glass fingerprint verification.
- Visible light facial recognition in dimly lit environment even without supplement light.
- Full spectrum of authentication methods: support facial authentication/ fingerprint authentication/ palm authentication/ scramble QR code/ card/ password (Virtual Keypad)
- Supports multiple RFID modules: 125 kHz ID card / 13.56MHz IC card / ID & IC card.
- Enlarged Capacity: 6,000(facial authentication)/ 6,000(fingerprint)/ 3,000(palm)/ 10,000(RFID card) / 200,000 transactions
- HD video door phone via ZKBio CVSecurity or ZKBio Zexus mobile app / indoor monitor.
- Reached IP65 protection rating with waterproof and dustproof.
- Compatible with wired doorbell and wireless doorbell (optional).

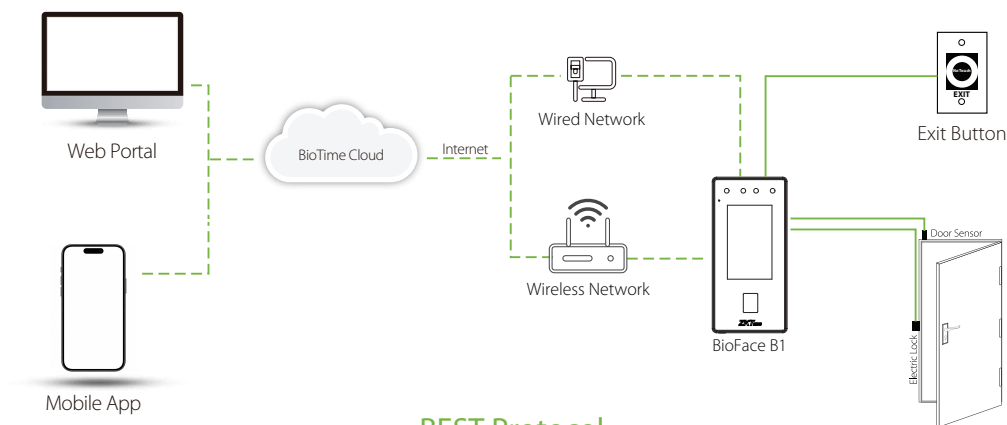
* Note: Palm authentication is for indoor use only.

Specifications

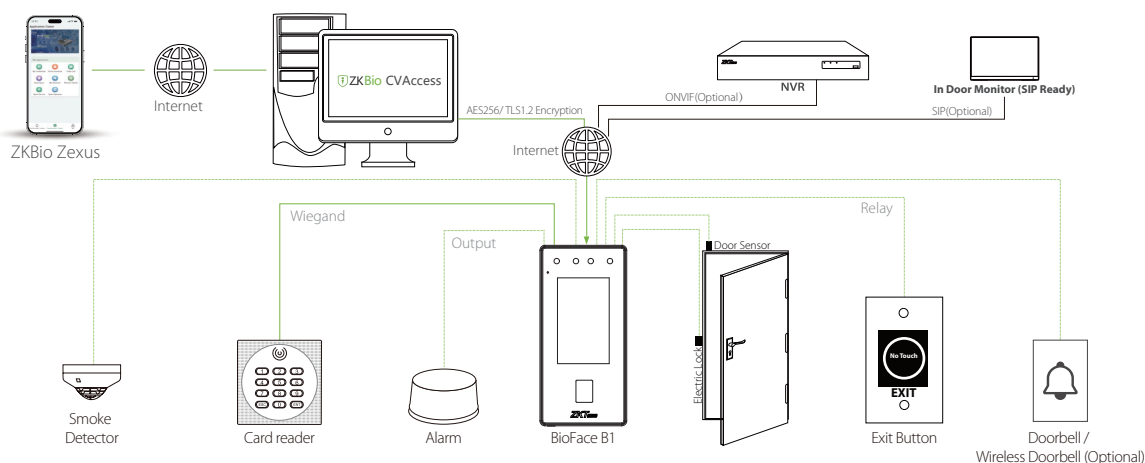
Model	BioFace B1
Display	4"@ TFT Color Touch LCD Screen (480*800)
Camera	Binocular Camera @ 2MP
Operation System	Linux
Power Supply	DC 12V 3A (Optional)
Hardware	CPU: Dual Core@1GHz RAM: 512MB; ROM: 8GB Speaker: 8 ohm@1 W Microphone: *1 (Sensitivity: -32dB / Omni-directional / Signal-to-Noise Ratio: 58dB / Impedance: 2.2kΩ)Fingerprint Sensor: In-Glass Fingerprint
Authentication method	Face / Fingerprint / Palm (Optional) / Card (Optional) / Password (Virtual Keypad)
User Capacity	6,000 (1:N) (Standard) / 10,000 (1:N) (Optional)
Face Template Capacity	6,000 (1:N) (Standard)
Palm Template Cacacity	3,000 (1:N) (Optional)
Fingerprint Template Capacity	6,000 (1:N) (Standard)
Card Capacity	6,000 (1:N) (Standard) / 10,000 (1:N) (Optional)
Transaction Capacity	200,000 (1:N)
Max. User Password Length	8 Digits
Biometric Verification Speed	less than 0.35 second (Facial Recognition) less than 0.5 second (Fingerprint Recognition) less than 0.2 second (Palm Recognition)
Touchless Biometric Recognition Distance	30cm to 170cm @Face 20cm to 30cm @Palm
False Acceptance Rate (FAR) %	≤0.01% (Facial Recognition) ≤0.0001% (Fingerprint) ≤0.01% (Palm)
False Rejection Rate (FRR) %	≤0.02% (Facial Recognition) 0.01% (Fingerprint) ≤ 0.17% (Palm)
Biometric Algorithm	ZKFace V3.6 & ZKFinger V13.0/V10.0 & ZKPalmVein V20.1
Card Type	ID Card@125 kHz (Optional) IC Card@13.56 MHz (Optional) Optional Multi-Tech Module: Module1: ID & IC & DESFire EV1 / EV2 & Felica; (125 kHz & 13.56 MHz Dual Frequency); Module 2: HID Prox
Communication	TCP/IP*1 Wi-Fi (IEEE802.1a/b/g/n/ac) @ 2.4 GHz / 5G GHz Wiegand (Input & Output)*1 RS485: ZKTeco RS485*1 USB: Type A (USB Drive Only)*1 Aux Inputs *1, Electric Lock*1, Door Sensor*1, Exit Button*1, Alarm output*1, Wired Doorbell*1
Standard Functions	ADMS, DST, 14-digit User ID, T9 Keyboard (Input), Photo Capture, Event Photo Capture, Record Query, Tamper Switch Alarm, Automatic Status Switch, Multiple Verification Methods, Anti-Passback, Wired Doorbell, Schedule Bell, HTTPs / SSH Backend Access, AC Push and TA Push Protocol Switch
Optional Functions	Wi-Fi, WorkCode, Video Intercom, Wireless Doorbell, DM10
Video Intercom	Video Intercom (ZKTeco Private Protocol via TCP/IP) Support Devices: Standalone Terminal: BioFace B1 (Only ZAM230 Platform) Indoor Monitor: VT07-B01, VT07-B01-W Video Intercom (Standard SIP Protocol) Support Devices: Standalone Terminal: BioFace B1 (Only ZAM230 Platform) Indoor Monitor: VT07-B22L, VT07-B26L-W Software: BioTime 9.5, BioTime Cloud, ZKBio CVSecurity, ZKBio CVcress Mobile App: BioTime, BioTime Cloud, ZKBio Zexus

Operating Temperature	-5°C to 45°C
Operating Humidity	10% to 90% RH (Non-condensing)
Dimensions	183 mm*88 mm*20.5 mm (L*W*H)
Gross Weight	0.503kg
Net Weight	0.453 Kg
Supported Software	On-Premise Software: ZKBio CVAccess (AC PUSH) & ZKBio Time (TA PUSH) Cloud-based Software: ZKBio Zlink (Supports Web Portal & Mobile App)
Installation	Wall-mount (Compatible with Asian Gang-box / Single Gang-Box)
Ingress Protection Rating	IP65 (waterproof and dustproof)
Certifications	ISO14001, ISO9001, CE, FCC, Equivalent to RoHS

Configuration



BEST Protocol



PUSH Protocol

Dimensions (mm)

