



SpeedFace M4

New-Gen Visible Light Facial Authentication Terminal with Mask Detection



IP66



Multiple Card Formats



Wide Operating Temperature Range



Proactive Facial Recognition



Video Intercom (SIP)



Mask Detection

Compatible with

 **ZKBio CVAccess**

Compatible with

 **ZKBio Zlink**



SpeedFace M4 is a Visible Light Facial Authentication terminal with mask detection powered by the latest ZKTeco's customized CPU for running the intellectualized engineering facial authentication algorithm. It is also equipped with POE, multi-tech card module etc., which designed to boost performance in all aspects and deal with all kinds of scenarios.

SpeedFace M4 comes with a robust metal design that works well between -10°C (14°F) and 50°C (122°F). It also meets the IP66 standard, enhancing environmental durability.

Features

- Visible Light Facial Authentication Technology, supports Mask Detection
- Anti-spoofing algorithm against almost all kinds of print attack (laser, color and B/W photos), videos attack and 3D mask attack
- Multiple Authentication Methods: Face / Card / Password (Virtual Keypad) / Palm (optional and coming soon)
- Available card modules: 125KHz ID Card (ID / HID Prox) / 13.56 MHz IC Card (IC / Felica) / 125KHz & 13.56MHz Dual Frequency Card (ID & IC & DESFire EV1 / EV2)
- Advanced access control functions (Wiegand input and output; RS485 communication; Electric Lock; Door Sensor; Exit Button)
- Capacity: 10,000 face templates; 10,000 cards; 200,000 logs; and 3,000 palm templates (coming soon)
- Attained IP66 Protection Rating With Dustproof and Waterproof
- Optional exclusive feature (coming soon): Facial authentication of multiple people at once (up to 4 people)

Notes: Wi-Fi / Palm Authentication / Multiple People Authentication function is optional and pending (coming soon).

Specifications

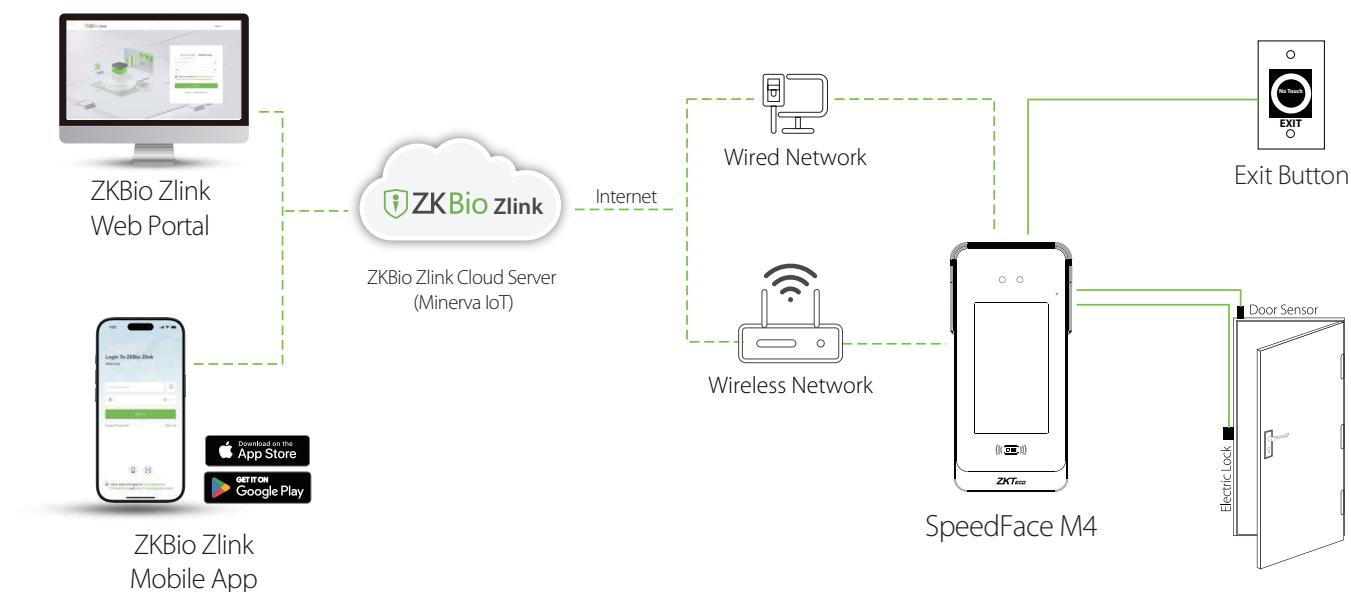
Model	SpeedFace M4
Order ID	AC01-SP30H-P25
Display	5"@ ISP Color LCD Screen (1280*720)
Camera	Binocular Camera @ 2MP WDR
Operation System	Linux
Hardware	CPU: Quad Core A53 @1.2GHz RAM: 1GB; ROM: 8GB Supplement Light: No Virtual Keypad: 16 Keys Casing Color: Metallic silver
Authentication Method	Face / Card / Password (Virtual Keypad) / Palm (optional and coming soon)
Face Template Capacity	10,000 (1: N)
Palm Template Capacity	3,000 (1: N, optional and coming soon)
Card Capacity	10,000 (1: N)
User Capacity	10,000 (1: N)
Transaction Capacity	200,000 (Optional : 500K)
Max. User Password Length	8 Digits
Biometric Authentication Speed	less than 0.1 sec (Facial Authentication, Field Test Result) less than 0.14 sec (Palm Authentication, Field Test Result)
Touchless Biometric Authentication Distance	40cm to 140cm (Facial Authentication) 18cm to 40cm (Palm Authentication, optional and coming soon)
False Acceptance Rate (FAR) %	≤0.01% (Facial Authentication) =0.01% (Palm Authentication)
False Rejection Rate (FRR) %	≤0.02% (Facial Authentication) =1.3% (Palm Authentication)
Biometric Algorithm	ZKFace V6.0 & AMTPalmvein V32
Card Type	ID Card@125 kHz (Standard) IC Card@13.56 MHz (Optional) HID Prox@125 kHz (Optional) Felica Card@13.56 MHz (Optional) Optional Multi-Tech Module: Module1: ID & IC & DESFire EV1 / EV2; (125 kHz & 13.56 MHz Dual Frequency)
QR Code	Dynamic QR code on the ZKBio CVAcess mobile application (By Face Camera)
Communication	TCP / IP*1 Wi-Fi (IEEE802.1b / g / n / a) @ 2.4 GHz / 5 GHz (Optional, and coming soon) Wiegand (Input & Output)*1 RS485: ZKTeco RS485*1 Aux Inputs *1, Electric Lock*1, Door Sensor*1, Exit Button*1, Alarm*1, 12V Output*1
Standard Functions	ADMS, Photo Capture, Event Photo Capture, Up to 14-digit User ID, Access Levels, Groups, Holidays, Anti-Passback, Record Query, Schedule Bell, Tamper Switch Alarm, Automatic Status Switch (Effective only under T&A rules), Multiple Verification Methods, T9 Keyboard (Input), AC Push and TA Push Protocol Switch, HTTPs / SSH Backend Access, Mask Detection, Dynamic QR Code (by camera)
Optional Functions	Webserver, Video Door Phone: SIP Client (Version2.0), ONVIF (Compatible with Profile S, Profile T, Profile G, Profile C, Profile Q & Profile A), Wi-Fi, POE, SRB, External Bell

Video Intercom	Video Intercom(ZKTeco Private Protocol via TCP / IP) Support Devices: Standalone Terminal: SpeedFace M4 (Only ZAM210 Platform) Indoor Monitor: VT07-B01, VT07-B01-W
	Video Intercom (Standard SIP Protocol) Support Devices: Standalone Terminal: SpeedFace M4 (Only ZAM210 Platform) Indoor Monitor: VT07-B22L, VT07-B26L-W Software: ZKBio CVAccess, BioTalk Pro Mobile App: ZKBio Zlink, ZKBio Zexus
Access Control Interface	RS485 (RS485 Card Reader / Biometric Reader)
Power Supply	DC 12V 3A (Optional) POE: IEEE 802.3at (Optional)
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Operating Humidity	10% to 90% RH (Non-condensing)
Dimensions	212.42mm*103.83mm*50.60mm (L*W*H)
Gross Weight	1.32 Kg
Net Weight	0.77 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	IP66 (waterproof and dustproof)
Certifications	ISO14001, ISO9001, CE, FCC

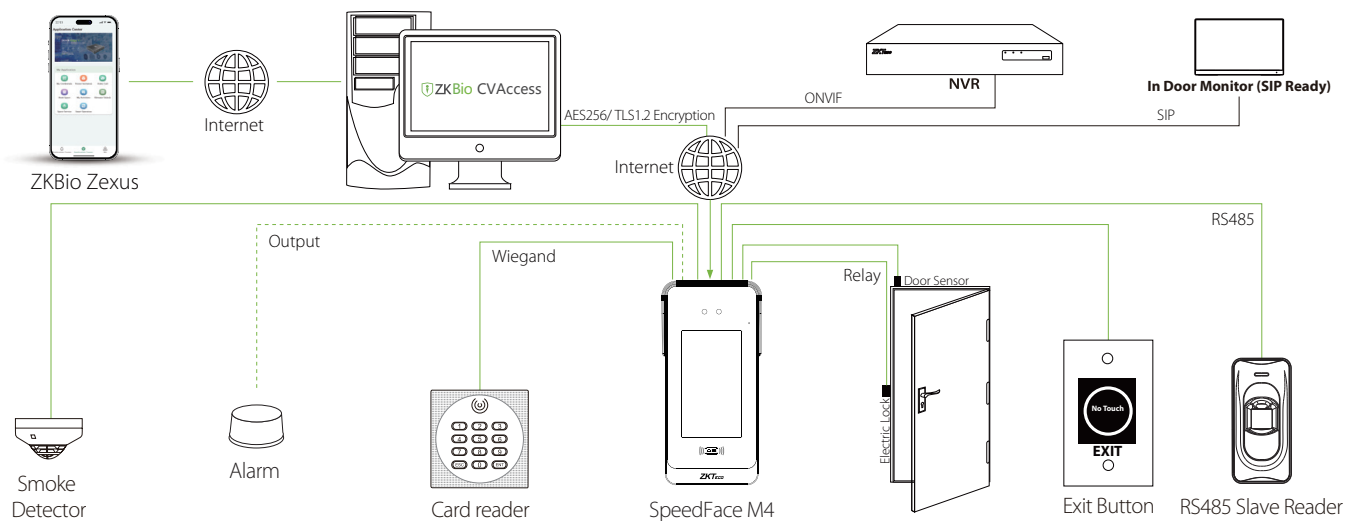
* Note: RS485 is for RS485 readers.

The face algorithm is upgraded that Face templates are not directly compatible with old model, which can be converted via BioPhoto under user authorization.

Configuration



BEST Protocol



PUSH Protocol

Dimensions (mm)

