

MB160 Plus

Multi Biometrics Time Attendance Terminal
Support Access Control

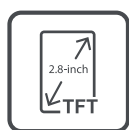


MB160 Plus is an innovative product featuring advanced fingerprint and face recognition technologies developed by ZKTeco.

The MB160 Plus supports multiple verification methods, including facial recognition, fingerprint and card verification, passwords and combinations between them, along with essential access control functions. With the facial recognition speed taking less than a second, this device streamlines the access process, ensuring that attendance management is quick and efficient.

Moreover, the MB160 Plus is equipped with TCP/IP, Wi-Fi, 4G, or USB interfaces for PC communication, allowing for easy data transfer. Whether you operate in a wired or wireless network environment, the MB160 Plus provides the flexibility and versatility to suit your needs.

Features



2.8-inch TFT Color Screen
with Intuitive graphical UI for
easy operation



Multiple Verification Modes:
Facial recognition, fingerprint,
passwords and card (optional)



Communication: TCP / IP,
USB-Host, Built-in Wi-Fi / 4G (Optional)



Optimized Capacity:
1,500 face templates, 2,000 fingerprint
templates, 100,000 events log



Facial Recognition Algorithm Choices:
ZKFace V7.0 (Standard) and ZKFace V12.0



2600mAh Backup Battery (Optional)

Specifications

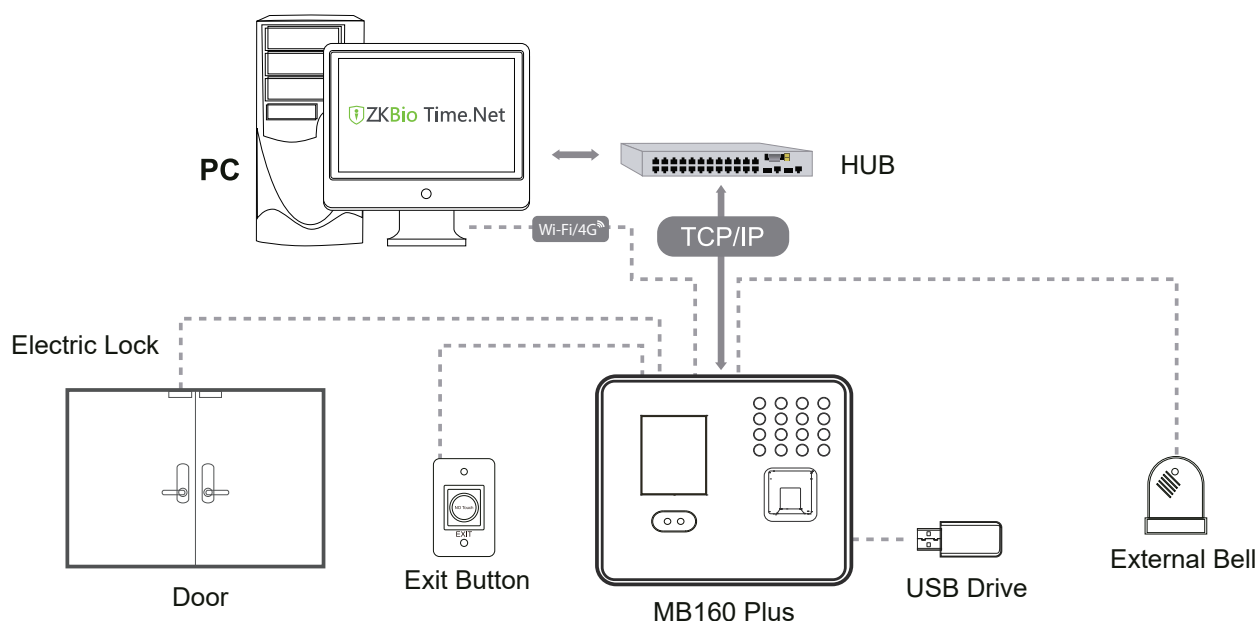
Model	MB160 Plus
Display	2.8"@ TFT Color LCD Screen (240*320)
Camera	Binocular Camera @ 1MP
Operation System	Linux
Hardware	CPU: Dual Core@1GHz RAM: 128MB; ROM: 256MB Speaker: 8 ohm@1W Physical Keypad: 16 Keys Fingerprint Sensor: ZK Optical Sensor
Authentication method	Face / Fingerprint / Card / Password (Physical Keypad)
User Capacity	2,000 (1:N) (Standard)
Face Template Capacity	1,500 (1:N) (Standard) (V7.0) (Face Algorithm) 800 (1:N) (Optional) (V12.0) (Face Algorithm)
Fingerprint Template Capacity	2,000 (1:N) (Standard)
Card Capacity	2,000 (1:N) (Optional)
Transaction Capacity	100,000 (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)
Touchless Biometric Recognition Distance	30cm to 80cm @ Face
False Acceptance Rate (FAR) %	≤0.001% (Facial Recognition) ≤0.0001% (Fingerprint)
False Rejection Rate (FRR) %	≤1% (Facial Recognition) ≤0.01% (Fingerprint)
Biometric Algorithm	ZKFace V7.0 & ZKFinger V10.0, ZKFace V12.0 (Optional)
Card Type	ID Card@125 kHz (Optional) IC Card@13.56 MHz (Optional)
Communication	TCP / IP*1 Wi-Fi (IEEE802.11 b / g / n) @ 2.4 GHz USB: Type A (USB Drive Only)*1 Electric Lock*1, Exit Button*1, Alarm*1
Mobile Communication	LTE FDD: B1 / B2 / B3 / B4 / B5 / B7 / B8 / B12 / B13 / B18 / B19 / B20 / B25 / B26 / B28 LTE TDD: B38 / B39 / B40 / B41 UMTS: B1 / B2 / B4 / B5 / B6 / B8 / B19 GSM: B2 / B3 / B5 / B8
Standard Functions	SMS, DST, Scheduled-bell, Self-Service Query, Automatic Status Switch, Photo ID, Multiple Verification Methods, Schedule Bell, 12V Output, Photo Capture, Event Photo Capture, 14-digit User ID, T9 Keyboard (Input)
Optional Functions	WorkCode, ADMS, HTTPs, Wi-Fi, 4G, External Bell & Printer (Optional Cable), Backup Battery
Power Supply	DC 12V 1.5A Backup Battery
Backup Battery	2600mAh (Lithium Battery) Max. Operating Hours: 4Hours Max. Standby Hours: 6Hours Charging Time: 2.5Hours
Operating Temperature	0°C to 45°C

Operating Humidity	20% to 80%
Dimensions (L*W*H)	168.0 mm*148.50mm*37.80mm (L*W*H)
Gross Weight	0.73 Kg
Net Weight	0.66 Kg
Supported Software	ZKBio Time.Net / ZKBio Time (Optional)
Installation	Wall-mount
Certifications	ISO14001, ISO9001, CE, FCC, RoHS

* The MB160 Plus has the V7.0 face algorithm and can also optional support the V12.0 face algorithm if desired. However, upgrading to the V12.0 algorithm will reduce the number of face templates from 1,500 to 800 and reset the device's data.

* When selecting an algorithm, make sure to choose carefully and remember that the device has a menu to switch between the two options.

Configuration



Dimensions(mm)

