

ZKTeco MB560-VL Real-Time Integration with AHRIS

MB560-VL



Multiple verification: Face / Fingerprint / Card / Password

Optional card modules

125KHz ID Card (EM) / 13.56MHz IC Card (MF)

Display

2.8-inch TFT Screen

Face Capacity

3,000

Fingerprint Capacity

3,000

Card Capacity

10,000 (Optional)

Transactions

100,000

Communication

TCP/IP, USB Host

MB560-VL may push (or AHRIS interface/listener may get) the following:

Text only data for Time Attendance purpose

1. Employee ID#

2. Timestamp

3. Verification Mode

- 0 → Fingerprint

- 1 → Face

- 2 → Password

- 3 → Card

- 4 → Fingerprint + Password

- 5 → Card + Password

- 6 → Face + Password

- 7 → Face + Fingerprint

- 8 → Face + Fingerprint + Password

4. Work Code

5. Device ID

Note: Biometric objects such as face and fingerprint data remain stored on the device. Only text-based information is pushed for time attendance processing.

For detailed specs:

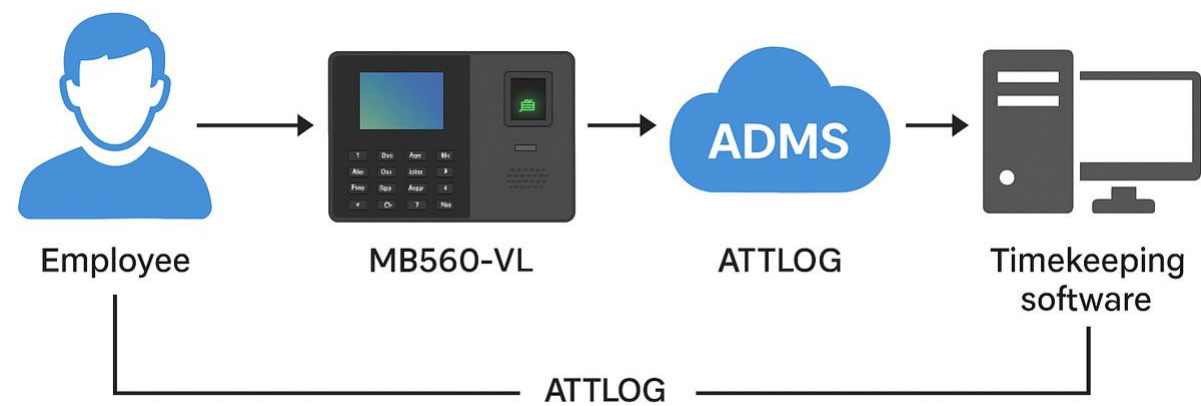
<https://zkteco.ph/Products/ProductDetails/Products/Details/4115?category=Time%20Attendance>

Sample Logs via ADMS:

PIN=12345678901234 Timestamp=2025-07-31 08:00:00 Status=0 Verify=1 WorkCode=100 Reserved=0 DeviceID=MB560VL001

ADMS is included in the standard feature of MB560-VL. Just need to setup the server IP and network parameters to the device and it will push raw logs automatically in real time to the server (ready for parsing).

Sample Diagram:



1. Basic Raw Logs via ADMS for integration

```
PIN=12345678901234 Timestamp=2025-07-31 08:00:00 Status=0 Verify=1 WorkCode=100 Reserved=0 DeviceID=MB560VL001
```

| Field | Description |
|-----------|---|
| PIN | User ID (usually 9–14 digits) |
| Timestamp | Date and time of punch (YYYY-MM-DD HH:MM:SS) |
| Status | Punch type (0 = IN, 1 = OUT, etc.) — defaulted to 0 |
| Verify | Verification method (1 = Fingerprint, 2 = Face, 3 = Card, etc.) |
| WorkCode | Optional job/task code |
| Reserved | Placeholder for flags or future use |
| DeviceID | Terminal serial number or identifier |

Note: The device has no IN or OUT button, hence it will always send status 0, the Timekeeping software shall determine if the clocking time is IN or OUT based on specific schedule attached to the PIN

2. The Custom Interface basic role:

- 2.1 Create a **simple HTTP listener** to acknowledge & recieve the above logs being pushed by MB560-VL via ADMS
- 2.2 Parse and get the data for processing according to what is needed by AHRIS-TK
- 2.3 AHRIS-TK must have algorithm based on the schedule attached to each PIN to determine the clocking status as IN or OUT
- 2.4 The mapping is automatic because the Employee Number in AHRIS will be used as the corresponding PIN in the MB560-VL during employee registration to the device. Therefore, the PINs that will be pushed by MB560-VL via ADMS are basically the Employee Numbers registered in AHRIS.