



## MT380 Time / Attendance Terminal

The MT380 is an IP-based multifunction terminal with video intercom for time and attendance, access control, and a variety of other applications. The MT380 features an embedded Windows OS, ethernet or WiFi high-speed communication, a QVGA display, and an LED good read notification.

### Features

- Programmable through SDK and a pre-loaded Time and Attendance application template
- 3.5" Color Touchscreen
- Supports various readers: fingerprint, HID/EM proximity, MiFare read/write reader
- High-speed wireless communication: LAN 802.11 b/g

### Performance

|         |   |
|---------|---|
| OS      | Windows CE Professional                                       |
| CPU     | Intel PXA 270CE 520 MHz                                       |
| ROM/RAM | 64 MB / 128 MB  |
| Keypad  | 17 hard keys (12 numeric and 5 function keys)                 |
| Display | 3.5" color TFT-LCD QVGA (320 x 240) with touchscreen function |

### Power

|             |   |
|-------------|---|
| Power Input | DC 12V/2A   |
| Mini UPS    | 3.7V, 1200 mAh lithium-ion battery<br>2 hours operation and 3 days backup |

### Communication

|               |                                  |
|---------------|----------------------------------|
| RS232         | RS485+, RS485-                   |
| RS485         | One RJ45                         |
| Ethernet      | v1.1 Client (for developer only) |
| USB           | One Relay (2A / 30Vdc)           |
| Relay         | One Photocoupler (3.3V - 12V)    |
| Digital Input | S2 Switch (RS485 / RS485)        |

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### Auto ID Reader

|              |  |
|--------------|--|
| EM Proximity | 125 kHz  |
| HID          | 125 kHz  |
| MiFare       | 13.56 MHz (ISO 14443A, ISO 1443A/B, ISO 15693) |
| Fingerprint  | Up to 7,000 fingerprints                       |

### Physical and Environment

|                |                                    |
|----------------|------------------------------------|
| Dimension      | 9 in (H) x 3.9 in (W) x 1.4 in (D) |
| Weight         | 17 ounces                          |
| Operation Temp | 14°F~122°F                         |
| Storage Temp   | -4°F~140°F                         |
| Humidity       | 5% to 95% RH non-condensing        |

### Software/Programming

TASHI SDK API, C#, VB.NET, C++

### Construction

- Speaker (0.8/2 Watts) and Microphone
- 2.5 Micron CMOS Camera with 2.0 Pixel Resolution

### Speaker Output

- Output Amplitude 1V RMS with 1W
- THD+N 80dB
- 10 cm distance > 70 db

### Microphone Input

- Sensitivity: -42dB
- S/N rate: 60 dB
- Mic input with echo canceling function

### Image Sensor I/F

- Supports Micron CMOS 2.0 MP
- Min. 5 Lux
- YCrCb data format

### Carrier Board Features

- Audio CODEC
- Camera CMOS sensor 2.0 mp
- GoForce 4800 Media Processor for image (Video IP)
- Microphone input
- Video IP (H.263, MPEG4 formats)
- Camera White-LED illumination