TASHI

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 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)

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

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