unitech

MT650
Video T&A Terminal

The MT650 is upgraded as a multifunctional terminal performing capabilities of Time Management, Access control, Intercom, and Surveillance with a large, 480 by 640 pixels, VGA color touch screen and the familiar interface of Windows CE operating system. It works as a mini-Kiosk station on top of a variety of applications. Users increase productivity right from the start, and application development is easier than ever. It is designed to meet the requirements of Time & Attendance, Loyalty Programs, Intercom and Work-In-Process applications; it can communicate with a central host security and T&A system via standard Ethernet or WLAN networks. Moreover MT650 seizes completely control over area security with its built-in CMOS digital camera, microphone, and audio speaker. Multiple I/O ports and interfaces make it the ideal solution for complex. The MT650 features built-in variety readers such as proximity and 1:N finger print, this permits the user to choose the technology that results in a cost-efficient system. Powered by Windows CE.NET 6.0, the MT650 package includes programming tools and support software for developing custom security and T&A applications.

Main Features
- Powered by WindowsCE.NET 6.0
- Large 480 by 640 pixel color VGA display with touch screen
- Built-in bar code, proximity, Mifare, 1:1 fingerprint reader, HID or 1:N fingerprint reader
- Built-in 2.0 M pixels CMOS camera
- Speaker output, microphone input
- Two relay output controls (small size)
- Two TTL digital inputs (Optical input)
- Built-in UPS for 1 hour operation and keeps 6 days of RTC
- Optional wireless communication support high speed wireless LAN 802.11b/g
- VoIP
- SDIO
- Ethernet with optional POE, (power over Ethernet)
- RS232/RS485 port

PROX BY HID

HID connect
Registered Member

Microsoft®
Windows®
Embedded
Partner

Performance Characteristics

OS	WindowsCE.NET 6.0
CPU	Samsung 6410
DDR	256MB
FlashROM	NAND 256MB

Readers

EM	125 kHz
MiFare	13.56 mHz
HID	125 kHz
Barcode reader	

Fingerprint Input

EER < 0.1%

1:1 verification time < 1 sec

1:N Identification time < 1 sec

Template capacity : 1900

Camera

2.0M pixel CMOS

Keyboard

6 hard keys   CLK/IN (F1) CLK/OUT (F2)

BRK/IN (F3) BRK/OUT (F4)

Enter (Yes) ESC (No)

Wireless Communication

Optional 802.11 b/g

Outline & Appearance

Dimension	223L x 168W x 51H
Weight	1310g

Display

5.7" TFT - LCD VGA (480 X 640) color

I/O

Digital inputs	2
Output relays	2
Audio speaker	0.8W
Ethernet connection	One RJ45 with optional PoE (Compliant IEEE 802.3af)

Power Management

Power Input	DC 12V/2A
UPS	One rechargeable Lithium-ion battery pack 7.4V, 1200 mAH, to operate for 1 hour after DC-Off

One Micro-backup battery for keeping RTC data 6 days

Expansion

SDIO for SDHC memory storage, up to16 GB

USB Host 1.1

Physical and Environmental

Humidity 5% to 95% RH non-condensing

Operation temperature : -10 ˚C to 50˚C

Storage temperature : -4˚F to 158˚F (-20˚C to 70˚C)

Software Programming Tools

Embedded Visual C++

Visual Studio C# / VB.NET

WinCE platform SDK

Video & Voice SDK

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  - Hardware disposal
  - Auditing services

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