

# 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



### 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	Read UPC/EAN/JAN, Code39, code 128, CODABAR

### 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



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### Display

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

### Communication I/Os

Serial port RS485	(RJ45) Support TX, RX
Serial port RS232	(RJ45) Support TXD, RTS, RXD, CTS
Ethernet	One RJ45
Mini USB	For Activesync connection

### I/O

Digital inputs	2
Output relays	2
Audio speaker	0.8W

### 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 to 16 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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