

# 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 |           |

### ▶ 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<br>(Compliant IEEE 802.3af) |

### ▶ Power Management

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



### TASHI

Taipei  
<http://www.ute.com> e-mail: TASHI@hq.ute.com

### Unitech America

Los Angeles, Houston  
<http://us.ute.com> e-mail: info@us.ute.com  
<http://can.ute.com> info@can.ute.com  
Mexico  
<http://latin.ute.com> e-mail: info@latin.ute.com

### Unitech Asia Pacific & Middle East

Taipei  
<http://apac.ute.com> info@apac.ute.com / info@india.ute.com  
<http://mideast.ute.com> info@mideast.ute.com

### Unitech Japan

Tokyo  
<http://jp.ute.com> e-mail: info@jp.ute.com

### Unitech Europe

Tilburg / Netherlands  
<http://eu.ute.com> e-mail: info@eu.ute.com

### Unitech Greater China

Beijing, Shanghai, Guang Zhou, Xiamen  
<http://cn.ute.com> info@cn.ute.com  
Taipei <http://tw.ute.com> info@tw.ute.com

### Head Office

Taipei  
<http://www.ute.com> e-mail: info@hq.ute.com