

# HT660

## Mobility & Productivity



### Choose the design that's right for **U**.

The HT660 is designed for single or two handed operation in manufacturing, retail and transport and logistics sectors. For scan intensive applications such as warehousing there is an optional gun grip. Choose the set up that's best for you or mix and match to meet each application.

### HT660 – Puts the power in your hands

Develop your own applications and manage your own integration with the HT660. This feature rich handheld terminal is designed to give you more flexibility and control over your mobile data collection applications.

### Create your own applications

Every HT660 comes with the MCL Collection open-standards based development environment as standard, enabling quick and easy creation, integration and deployment of mobile applications. Combine this with the Windows CE 5.0 Core operating system and the HT660 gives you all the tools you need to develop your own applications out of the box.

### Future - proof functionality

Meet the demands of today's applications as well as those that are just around the corner and maximise the return on your IT investment. With the 802.11b/g WiFi and Bluetooth radios, Microsoft Windows 5.0 Core operating system, scanner, SD card slot and colour QVGA touch screen the HT660 is packed with features and can be integrated with other software and hardware, including mobile printers.

### Built to stand the test of time

The rugged design of the HT660 won't let you down. Designed for the harshest environments, it can withstand multiple 1.5m drops to concrete and has an IP54 rating safeguarding it from moisture and dust. Productivity is maximised with a 12 hours battery life that lasts longer than most shifts and data is secured with a 72 hour back up battery. The charging cradle also supports an extra battery ensuring a spare is always available and minimising downtime.

### Putting the user first

Weighing just 360 grams and with comfortable rubber grips, the HT660 is designed to fit perfectly in the hand and to stay there, even in wet environments. The high contrast backlit colour touch screen, 36-key keypad and integrated bar code scanner makes it quick and easy to capture data indoor or outdoor.

### Main Features

- Microsoft Windows CE 5.0 Core
- Intel CPU
- QVGA backlit colour touch screen
- Illuminating 36-key alphanumeric keypad
- 802.11 b/g radios
- Bluetooth
- Integrated laser scanner
- Gun grip (optional)
- IP54 rated against water & dust
- Withstands 1.5m drops to concrete
- SD card slot
- RS232 / USB / Modem
- 12 hours battery life



# HT660

## Specifications

### SYSTEM

Operating System: Microsoft WinCE 5.0 Core  
CPU: Intel PXA255, running up to 300MHz  
Memory: SDRAM 64 MB, flashROM 64 MB  
SD Slot: Support SD Memory Cards

### DISPLAY

QVGA 240 x 320 color 2.7" TFT LCD display with touch screen and backlight

### KEYPAD

Illuminating 36 key keypad with numeric key, alpha key and function key, ESC, ENT, Backspace, and cursor key, trigger key and other symbol key

### INPUT DEVICE

Keypad, Touch Screen, Full Alphanumeric Software Keyboard and Bar Code Scanner (Laser)

### LASER BARCODE SCANNER

Scan rate: 104 scans/sec.  $\pm$  12 scans/sec. (bi-directional)  
Scan Angle:  $47^{\circ}\pm 3^{\circ}$  default /  $35^{\circ}\pm 3^{\circ}$  reduced  
Decode Zone Typical  
4.0 mils 1.0 in. - 5.5 in. / 2.45 cm- 13.97 cm  
5.5 mils 1.25 in. - 8 in. / 3.18 cm- 20.32 cm  
7.5 mils 1.5 in. - 13.25 in. / 3.81 cm- 33.66 cm  
10 mils 1.5 in. - 17.5 in. / 3.81 cm- 44.45cm  
UPC 100% 1.5 in. - 23.5 in. / 3.81 cm- 59.69cm  
15 mils 1.5 in. - 29.5 in. / 3.81 cm- 74.93cm  
20 mils 1.75 in. - 35.5 in. / 4.45 cm- 90.17cm  
40 mils \* - 40 in. / \*- 101.6 cm  
40.0 mils \* - 55 in. / \*- 139.7 cm  
\* Dependent on width of bar code  
Symbolologies: UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39 full ASCII, Code 93, Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessey, Code 128, Toshiba.

### COMMUNICATIONS

RS232C: Full duplex asynchronous communication  
USB: 1.1 client  
Bluetooth: Class I  
Wireless LAN: 802.11b/g

### ELECTRICAL

Sources: 1. 100-240V 5V/ 3A DC external adapter  
2. Rechargeable Li-Ion battery pack @ 3.7V 1950mAh  
3. Rechargeable Backup battery @3.7V 120mAh  
Consumption: Standby: 90~100mA  
Suspend: 2~5mA  
Battery Life: More than 12 hours at 1 scan 1 pass via BT per 5 seconds  
Charging: 4 hours via charging cable or docking station

### DOCKING STATION

Interface: RS232/USB Cradle (With spare battery charging function)  
Modem Cradle (With spare battery charging function)  
Charging: 4 hours  
Power input: AC Adapter 5V DC@3A

### USAGE & STORAGE

#### Mechanical

Length / Width / Depth: 199.5mm x 79mm x 39.6mm  
Weight: 360g with battery pack

#### Environmental

Operating Temp: 0°C to 50°C (32°F to 122°F)  
Storage Temp: -20°C to 70°C- (4°F to 158°F)  
Relative Humidity: 5% to 95% (non-condensing)  
IP Rating: 54  
Drop: 1.5 Meter, multiple drops to concrete

### KEY ACCESSORIES

USB/RS232 cradle  
Modem cradle  
USB Cable for charging & communication  
RS232 Cable for charging & communication  
Power Supply  
Hand Strap  
Stylus  
Holster  
Gun Grip (optional)

### SOFTWARE DEVELOPMENT KIT

MCL Collection, pre-loaded MCL client  
Unitech HT660 SDK

### REGULATORY APPROVALS

CB, CE, FCC, BSMI, VCCI, CCC, TELEC, RoHS Compliant

### MODELS

HT660-9045ACG 64/64MB, WinCE.NET, BT, DP box  
HT660-9046ACG 64/64MB, WinCE.NET, BT, RF DP box

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