



# HT680

## Rugged Handheld Terminal

Unitech's new HT680 is a compact and aggressive rugged mobile computer, ideally suited for manufacturing, retail, logistics and transportation. Designed for the toughest work environments, the HT680 gives you the reliability and flexibility needed to increase productivity and efficiency in all of your data collection applications.

### Durable Design

The HT680 is built to last, protecting your investment and minimizing downtime. Compact and rugged, the HT680 is IP54 rated, safeguarding it from moisture and dust. The HT680 can withstand multiple 6-foot drops to concrete and features gold plated non-rusting connector pins.

### Maximum Productivity

The HT680 weighs less than a pound and is ergonomically designed for one-handed operation. The optional gun grip and 12-hour battery life makes the HT680 perfect for scan-intensive applications such as warehousing. Its 22-key backlit keypad makes data entry simple.

### Mobile and Versatile

The HT680 is available with a 1D laser or 2D imager smart scanner. Configuration and integration of the HT680 is fast and easy with its Microsoft Windows CE 5.0 Professional Plus operating system and Marvell PXA270 520MHz CPU. The HT680 is equipped with Bluetooth 2.0 and EDGE-GPRS connectivity as well as CCX4 WLAN roaming capability, making it perfect for mobile applications.

### Main Features

- Microsoft Windows CE 5.0 Professional Plus
- Marvell PXA270 520mHz CPU
- Integrated 1D laser / 2D imager (optional) scan engine
- 30 degree scanning tilt
- EDGE-GPRS, 802.11 b/g and Bluetooth 2.0 connectivity
- Mini SD and SDHC memory card
- Gold plated non-rusting connector pins
- IP54 rated
- 1.8 meter drop threshold



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# HT680

## Specifications

### Operation System

CPU	Marvell PXA270 520mHz
RAM	SDRAM 128MB
ROM	Flash ROM 512MB
OS	Microsoft Windows CE 5.0 Professional

### Display

2.8" QVGA Transflective color with touch screen and backlight  
- 135 DPI

### Keypad

22 Keys, including 4-direction, function and numeric keys

### Indicator

3 Leds indicating GPRS, scanning and charging  
Vibrator

### Integrated reading devices

1D laser or 2D imager

### Symbologies

1D Laser scanner  
UPC-A/E, EAN-8/13, Codabar, Code 11, Code 32, Code 93 (full ASCII), Code 128, Interleaved & Std. 2 of 5, EAN 128, Delta, MSI/Plessey, Toshiba

2D Imager  
1D codes

Various postal codes, Codabar, Code 11, Code128/EAN 128, Code 39, Code 93, Kix code, EAN13, EAN 8, IATA 2 of 5, ISBT, Matrix 2 of 5, MSI, Planet, Postnet, RSS, UPC A, UPC E, UPC E1

2D codes

Aztec, Codablock F, Code 49, Datamatrix, EAN-UCC Composite, Maxicode, Micro PDF417, OCR, PDF-417, QR Code, Tc1f Linked C39

### Communication

USB	USB 1.1 Host & Client
WLAN	IEEE 802.11b/g, CCX4 Compliant
PAN	Bluetooth 2.0 Class 2
WWAN	eGPRS * Quad-Band GSM 850/900/1800/1900 MHz * EDGE (e-GPRS) Multislot Class 10 * GPRS Multislot Class 12 * GSM Release 99

### Power Source

Main battery	8.14 Watt-Hour 3.7V@2200mAh 14.8 Watt-Hour 3.7V@4000mAh
Backup battery	Supports data retention up to 2 hours - 65mAh
Operating time	1 scan/5 sec. - 8.5 hours (BT)

### Audio

Speaker 0.8W - Mono

### Expansion Slot

Mini SD Support SDHC up to 32GB

### Enclosure

Weight 320g  
Dimension Approximately 170mm x 55mm x 30mm

### Environmental

Operating temperature	-10°C to 50°C
Storage temperature	-20°C to 60°C
Relative Humidity	5% ~ 95% (non-condensing)
Drop Specification	1.8 meter
Sealing	IP54

### Software

Microsoft Visual Studio 2005  
Unitech HT680 SDK  
Oracle Database Lite

### 12Manage & 12Solutions



In-house developed software to enhance device deployment and remote management. 12[want:to]Solutions including 12Manage improve system reliability, reduce service costs and ensure systems running smoothly.

**More info: [www.unitechnical.info](http://www.unitechnical.info)**

### Accessories

USB communication and charging cable  
AC adaptor ( with regional power cord)  
\* 4000mAh Battery and battery door  
\* Single Slot Desktop USB Cradle  
(Please check with Unitech regional office for availability)

### Regulatory Approvals

CE, FCC, BSMI, VCCI, CCC, RoHS compliance



### Unitech's service program

UnitCare offers customers a high level of security by a reliable, high-quality and effective program for getting your devices serviced quickly. It also drives the hidden costs out of your installations. UnitCare goes beyond the standard warranty with a complete service offer for different need.

**More information: [www.unitcare.info](http://www.unitcare.info)**

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