



# HT682

## Rugged Handheld Terminal

Streamline your business processes with the unitech HT682 versatile handheld terminal, ideal for manufacturing, logistics, and transportation. Coming with an area scanner design for high range scanning, the HT682 brings a new level of high reliability, functionality, and durable design, allowing users to increase productivity and efficiency in data collection applications. Additionally, on January 1, 2017, 802.11 A antennas were added onto all HT682 units.

### Built to Survive in Tough Environments

Designed for harsh environments, HT682 is rugged enough to withstand multiple 6 foot drops to concrete and equipped with the IP65 environmental seal against water and dust. Featuring a great adaptable design, the device provides multiple wireless communications such as Bluetooth, Wi-Fi and wireless LAN 802.11 a/b/g/n radios for real-time data collection.

### Versatile and Ergonomic Design

With an area scanner design for high range scanning, the HT682 offers ergonomic 30 degree scanning tilt for best user experience. Its ergonomic and compact design and one-handed operation, the HT682 is an ideal tool to automate the capture of inventory data and allows users to take action quickly and accurately.

### Advanced Mobile Operating Systems

Featuring a 2.8 inch display with color touch screen and micro SD expansion slot for data storage, the HT682 is also equipped with the latest Windows Embedded Compact Professional 6.0 R3 operating system which is compatible with various software applications. Combining functionality with durable design, the Unitech HT682 provides the power for enterprises to streamline business processes and increase productivity and efficiency in all data collection applications.

### Features

- Windows Embedded Compact Professional 6.0 R3
- TI OMAP AM3703, 800MHz
- Integrated 1D Laser / 2D Imager ( optional) scan engine
- 30 degree scanning tilt
- 802.11 a/b/g/n and Bluetooth 2.1 +EDR connectivity
- Expendable MicroSD memory card
- Gold plated non-rusting connector pins
- IP65 rated
- 1.8-meter / 6-foot drop threshold

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### Operation System

CPU	TI OMAP AM3703, 800MHz
Memory	SDRAM : 512MB
	Flash ROM : 512MB
OS	Windows Embedded Compact Professional 6.0 R3

### Display

2.8" QVGA, Color Transflective TFT, with Touch Screen & backlight

### Keypad

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

### Indicator

LEDs, Vibrator

### Symbologies

#### 1D Laser Barcode Engine (optional)

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, RSS expanded, RSS Limited, RSS14.

#### 2D imager (optional)

##### 1D codes

Australian Post, British Post, Codabar, Coupon Code, Code 11, Code 32, Code 128, Code 39, Code 93, Dutch, EAN13, EAN8, IATA 2 of 5, ISBT, Japanese Post, Kix code(nl), Matrix 2 of 5, MSI, Planet Code, Postnet, RSS14 expanded, RSS14 Limited, RSS14, UPC A, UPC E, UPC E1, GS1-128 (UCC/EAN-128), Standard ZOF5 (Discrete ZOF5), Trioptic.

##### 2D codes

Aztec, Datamatrix, Maxicode, Micro PDF417, PDF417, QR Code, Composite CC-A/B, Composite CC-C, GS1-128 (UCC/EAN), TCL39, UPC Composite Mode.

#### Long Range Imager (Intermec EX25)

Support all major 1D and 2D barcodes

### Power Source

Main Battery	8.14 Watt-Hour 3.7V @ 2200 mAH
	14.8 Watt- Hour 3.7V @ 4000mAH
Backup Battery	backup capability over 72 hrs



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### Communication

USB	USB V2.0 Client, Host
WLAN	CCXv4 certified Summit Radio 802.11 a/b/g/n WEP, WPA, WPA2, WEP, RC4 Algorithm. TKIP, RC4 Algorithm, AES, Rijndael Algorithm, Static (40-bit and 128-bit lengths), Pre-Shared (PSK), Dynamic EAP-FAST, EAP-TLS, EAP-TTLS, PEAP-GTC
Bluetooth	Bluetooth 2.1 + EDR
WWAN	Sierra wireless 3.5G data radio High speed UMTS/HSDPA connectivity (up to 3.6Mbps downlink) Quad-Band GSM/GPRS/EDGE network access Worldwide coverage with 2 versions (850/1900 MHz, 900/2100 MHz)

### Audio

Speaker	Mono speaker, 90dB at 10 cm distance.
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### Enclosure

Weight	310g (With standard battery pack)
Dimension	Approximately 170mm x 55mm x 30mm

### Expansion Slot

Micro SD	Support SDHC up to 32GB
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### Environmental

Operating temperature	-10°C to 50 °C
Storage temperature	-20°C to 60 °C
Relative Humidity	5% ~ 95% ( non-condensing )
Drop test to Concrete	1.8 meter
Environmental Sealing	IP65

### Software

Microsoft Visual Studio 2005 / 2008  
Unitech Handheld terminal SDK

### Accessories

Gun grip  
Leather Case  
Single Slot USB Cradle  
4-Slot battery charger  
2200mAH standard Battery  
4000mAH Extension Battery  
USB communication and charging cable  
Power adaptor with universal plugs

### Regulatory Approvals

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

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