



# HT682LR (Long Range)

## Advanced reading performance

The Unitech HT682LR (Long Range) is a high quality handheld terminal offering great features and amazing reading performance. Equipped with a high performance omnidirectional 1D/2D Near-Far area imager, the HT682LR gives you the reliability and flexibility needed to increase productivity and efficiency in all of your data collection applications.

Its omni-directional reading capability, coupled with a highly visible laser pointer, allows users to seamlessly transition between scanning from objects up close to 15 meters away. This is done without requiring the user to move from their location, even in variable lighting conditions and angles

Designed for the toughest work environments, this device is suitable for a wide range of applications, especially in retail, warehousing and logistics.

**The HT682LR offers advanced performance at an affordable price!**

### Advanced performance and durable design

Equipped with a fast 800 MHz processor and Microsoft Windows Embedded CE 6.0 operating system makes this device not only fast but also compatible with a variety of existing software applications. Its Bluetooth and WiFi (802.11 a/b/g/n) provide fast real-time data collection.

Conform to Unitech standards, the HT682LR is ultra-rugged and designed for the toughest working environments. The HT682LR is IP65 rated, can withstand a multiple 1.8 meter drop to concrete and features golden plated non-rusting connector pins.

### High performance long range imager

The HT682LR offers advanced reading performance in terms of accuracy, flexibility and distance. With a long range reading distance (up to 15 meters), this long range 1D/2D area imager makes scanning more efficient since there is no need to step out of your forklift truck.

### Extended usage

The HT682 weighs only 381g and is ergonomically designed for one-handed operation scanning. The optional gun grip and extended battery makes the HT682LR perfect for scan-intensive applications. Equipped with a built-in VT terminal emulation and Mobile Device Management tool (12Manage) supported makes the HT682LR perfect for extended usage!

**Reading distance up to 15 meters!**

### Main Features

- Microsoft Windows Embedded CE 6.0
- TI OMAP AM3703, 800MHz CPU
- Omnidirectional Long-range 1D/2D imager (reading distance up to 15 meters)
- High performance - reads poorly printed, damaged and bar codes down to 3mil resolution
- Future proofed - reads 1D, composite, stacked and 2D bar codes, to comply with the newest industry standards
- Gold plated non-rusting connector pins
- IP65 rated and 1.8 meter drop test to concrete
- Built-in VT terminal emulation and MDM supported (12Manage)



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# HT682LR

## Specifications

### Operation System

CPU	TI OMAP AM3703, 800MHz
Memory	SDRAM : 512MB Flash ROM : 512MB
OS	Microsoft Windows Embedded CE 6.0

### Display

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

### Keypad

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

### Indicator

LEDs, Vibrator

### Integrated reading devices

Omnidirectional Near-Far 1D/2D imager

### Engine:

Reading distance:	15 cm to 15 m (label material, barcode resolution depending)
Scan Rate :	up to 30 frames/s auto adaptive
Min. resolution:	1D: 0.075 mm (3 mils) / 2D 0.167mm (6.6 mils)
Print Contrast:	min. 40%
Scan Angle:	14° (Horizontal), 8.7° (Vertical)
Optical Resolution:	1.280 x 800 pixels, 256 gray levels
Light Source:	617 nm high visible LEDs
Aimer:	650 nm class 2 Laser

### Symbologies

**1D:**  
EAN/UPC, GS1 Databar (limited expanded & omni-directional), RSS, Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved/Matrix/Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen, postal codes (Australian Post, BPO, Canada Post, Dutch Post, Japan Post, PostNet, Sweden Post).

### 2D:

Data Matrix, PDF417, Micro PDF 417, Codablock , Maxicode, QR, Aztec, GS1 composite codes

### Power Source

Main battery	9.26 Watt-Hour	3.7V@2600 mAh (only gungrip)
	8.14 Watt-Hour	3.7V@2200 mAh
	14.8 Watt-Hour	3.7V@4000 mAh

Backup battery backup capability over 72 hrs

### 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

### Audio

Speaker Mono speaker, 90dB at 10 cm distance

### Enclosure

Weight 381g  
Dimension Approximately 170mm x 55mm x 30mm

### Expansion Slot

Micro SD Support SDHC up to 32GB

### 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 (drop test to concrete)
Environmental Sealing	IP65

### Software

Unitech Handheld terminal SDK

### 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: [12manage.unitech.eu](http://12manage.unitech.eu) or [portal.unitech.eu](http://portal.unitech.eu).**

### Accessories

Gun grip  
Single Slot USB Cradle  
4-Slot battery charger  
2200mAh standard battery  
Battery door for standard battery  
4000mAh double battery pack  
USB communication and charging cable  
Power adaptor with universal plugs



Gun grip  
incl. battery



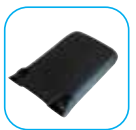
Double battery  
incl. battery door



Cradle  
single slot USB



Standard battery  
excl. battery door



Battery door for  
standard battery



### 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: [unitcare.unitech.eu](http://unitcare.unitech.eu)**

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