DENSO

Member of the TOYOTA Group

USER FRIENDLY & POWERFUL PERFORMER

HANDHELD TERMINAL

BHT-1100
SERIES

Windows Embedded CE

1D Barcode model
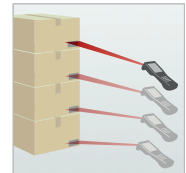BHT-1170BWB
BHT-1171BWB

3 YEAR WARRANTY

Can be used for nearly any purpose and operation is easy and intuitive.
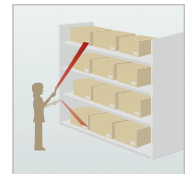
Scan performance

High-speed scanning
The 1D Advanced CCD Scanner works at nearly twice the scanning speed than common laser scanners. The BHT-1100 reads 400 scans per seconds.
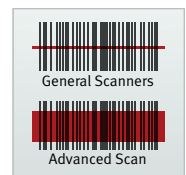
Reading distance
The BHT-1100 can read 1D-barcodes from a distance of up to 1.3 metres, making it the ideal tool for storage management.

High performance & reliability
Quick and precise scanning of damaged or soiled barcodes, owing to the wider read area of the CCD scanner instead of the thin line on a laser scanner.

General Scanners

Advanced Scan

Safety and speed required for business-use today

Fast

Fast wireless communication
Supports IEEE 802.11b/g/n. High-speed communication.

Security

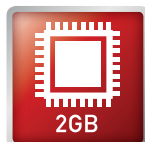### Prevent prohibited access and data theft
Embedded with the best security technology available – WPA / WPA2 to prevent unauthorised access or theft.

micro SD

Expanded memory
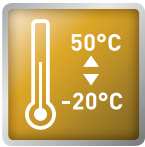Storage of data on microSDHC cards* with up to 32 GB memory.
* Not included in delivery

2GB

Data storage
High-capacity flash ROM with 2 GB. Sufficient memory even for complex applications.

Environment
50°C ▲ ▼ -20°C

Usable in a cold storage -20°C and up to +50°C.

Durability
The multi-layered housing structure guarantees optimal protection against impact, dust and water (IP54).

Simple to operate
Frequently used buttons are fitted and arranged in such a way that the scanner can be operated with one hand – even only with your thumb. No complicated search for the button key anymore. Artificial resin buttons protect the keypad from damages.

High-capacity lithium-ion battery
The lithium-ion battery is available as standard and high capacity version and operates up to 25 hours without re-charging. Easy to replace the battery.

Operating system
Equipped with the latest version of Windows® Embedded CE 6.0 R3.

Windows Embedded CE

Keypad – 16 function keys
Option to set up frequently used functions with sufficient numbers of functional keys. The touch screen allows stable operation with keys and stylus. You can use the product in dark areas, thanks to the key-board back light.

Optional 3.2 megapixel digital camera
An optional 3.2 megapixel digital camera with auto-zoom and integrated auxiliary light enables documenting damaged products in one and the same workstep. The images can be displayed on the HVGA colour screen.

Available in more than 40 countries across the world!
Total support system
Full range of service from sale to maintenance.
Approved authorised repair and service center.

GLOBAL PRODUCTS

3 years warranty
DENSO WAVE now offers 3 years warranty on the BHT-1100 series for worry-free use.

BHT-1100 series specification

		Model w/ camera	Model w/o camera
Type		BHT-1171BWB-CE	BHT-1170BWB-CE
OS		Windows© Embedded CE 6.0 R3	
CPU		TI ARM Cortex-AB CPU (800 MHz)	
Memory	RAM	512 MB	
	Flash ROM	2.0 GB	
Display	Number of pixles [1]	320 x 480 pixels (3.5 inch HVGA)	
	Display system	Liquid crystal dot matrix colour display	
Scanner	Scanning system	Advanced Plus (CCD)	
	Readable 1D codes	EAN-13/8 (JAN-13/-8) UPC-A/-E, UPC/EAN (with expansion), Interleaved 2 of 5, standard 2 of 5, CODABAR(NW-7), CODE39, CODE93, CODE128, GS1-128(EAN-128), GS1 DataBar(RSS), MSI	
	Read position relative to object	640 mm (resolution 0.33 mm) / 1300 mm (resolution 1.0 mm)	
	Minimum resolution	0.125 mm	
	Scan confirmation	Confirmation (LED), acoustic (signal sound) and haptic (vibration)	
Keypad	Number of buttons	36 Tasten (einschl. Ein-/Aus-Taste) + 2 seitl. Auslösertasten	
Network	Visual interface — Standard	IEEE802.11b/g/n (2.4 GHz)	
	Visual interface — Transmission Distance [2]	Indoor: 150 m, outdoors: 300 m	
	Visual interface — Transmission speed [2]	IEEE802.11b: 11/5.5/2/1Mbps, IEEE802.11g: 54/48/36/24/18/12/9/6Mbps IEEE802.11n: 65/58.5/52/39/26/19.5/13/6.5Mbps	
	Visual interface — Security	WEP40,128,WPA-PSK(TKIP, AES), WPA2-PSK(TKIP, AES), WPA-1x(TKIP, AES/EAP-TLS, PEAP) WPA2-1x(TKIP, AES/EAP-TLS, PEAP), 802.1x(EAP-TLS, PEAP)	
	Bluetooth	Bluetooth Ver. 2.0 + EDR Class 2	
	Cradle I/F	RS-232C / USB	
Card slot		MicroSDHC x 1 slot (up to 32 GB)	
Camera		Auto-zoom 3.2 megapixel camera	–
Power supply	Main battery	Lithium-ion battery (2300 mAh [standard] / 3450 mAh [high capacity])	
	Operation hours [3]	Approx. 17 hours (when using standard battery) / approx. 25 hours (when using high-capacity battery)	
Additional functionalities		Clock, speaker, vibration alarm, battery charge level indicator, keypad backlight, G-sensor, VoIP	
Environmental requirements	Operating temperature [4]	−20~50°C	
	Splash water/dust protection	IP54	
	Drop resistance [5]	1.5 m drop on concrete floor, 10 times each on all 6 sides (test result after a total of 60 drops)	
Gewicht		380 g	375 g

1: Even though the effective number of graphics elements is more than 99.99% thanks to the high-precision production of the LCDs, a few elements (less than 0.01%) can be left out or permanently turned on.
2: Figures indicated for the transmission distance and speed are theoretical values and may vary depending on the place of use and the environment.
3: In the following relation: scanning: remote transmission: screen display: standby = 1: 1 : 1 : 20. Communications module in standby mode, vibration = off and LCD backlight = low. The specified operating time serves as a reference value in room temperature and may vary depending on the operating conditions.
4: The temperature rises from 0 to 40° C while charging.
5: The value when using the standard battery

Charging station

- CU-1133   RS232C/USB communication, with charging function for device and additional battery
- CU-1111   Ethernet interface, with charging function for device and additional battery
- CH-1104   4-battery charging station
- CH-1154   4-device charging station

Batteries

BT-110LA   2300 mAh standard battery
BT-110L   3450 mAh high-capacity battery

Software

Software Development Kit (SDK) for BHT with Windows ® CE
Keyboard interface software [kbifCE] [1]

1: This software is installed on the device when delivered.

Items with this mark are available from the company's homepage (QBdirect) free of charge.

TT Network Integration Europe GmbH
Immermannstraße 65 B
40210 Düsseldorf
Phone +49 211 88252-450
Fax +49 211 88252-502
info@denso-autoid-eu.com

www.denso-autoid-eu.com