DENSO

BHT-1200 series specification

Type			Bar code model	2D code model	2D code model
			Built-in microphone receiver	Built-in microphone receiver	Built-in microphone receiver and WWAN/GPS
Type			BHT-1261BWB-CE	BHT-1261QWB-CE	BHT-1261QWBG-CE
OS			Windows® Embedded CE 6.0 R3		
CPU			ARM Coretex-A8 800MHz		
Memory	RAM		Mobile DDR 512MB		
	Flash ROM		2.0GB		
Display	Number of Dots [1]		320 x 480 dots (3.5 inch HVGA)		
	Display device		Liquid crystal dot matrix display (color)		
	Back light		White LED		
Scanner	Mode		Advanced scan plus (CCD)	Area sensor	
	Decode	Bar code	EAN-13/-8(JAN-13/-8), UPC-A-E, UPC/EAN (Add-on embedded), Interleaved 2 of 5, Standard 2 of 5, CODABAR(NW-7), CODE39, CODE93, CODE128, GS1-128 (EAN-128), MSI, GS1 DataBar (RSS)	EAN-13/-8(JAN-13/-8), UPC-A/-E, UPC/EAN(Add-on embedded), Interleaved 2 of 5, CODABAR(NW-7), CODE39, CODE93, CODE128, GS1-128(EAN-128), GS1 DataBar(RSS)	
		2D code	-	QR code, micro QR code, SQRC, iQR, PDF417, micro PDF417, Maxi code DataMatrix(ECC200), Aztec, GS1 DataBar Composite(EAN.UCC Composite)	
	Minimum resolution	Bar code	0.125mm	0.125mm	
		2D code	-	0.167mm	
	Maker		-	Area guide maker	
	Scan Confirmation		LED in three colors: Red/green/blue, speaker, vibration		
Key input section	Number of keys		30 keys (excluding the power key) + 3 trigger keys		
Network	Wireless LAN	Suitable standard	Comply with IEEE802.11b/g/n		
		Frequency	IEEE802.11b/g/n(2.4GHz)		
		Network range [2]	IEEE802.11b/g/n(indoor: about 150m, outdoor: about 300m)		
		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		
		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)		
	Wireless WAN		-	-	HSPA+ (850, 900, 2,100MHz)
	GPS		-	-	A-GPS
	Bluetooth		Bluetooth Ver2.0 + EDR based class 2		
	Cradle I/F		RS-232C / USB client		
Card slot			MicroSDHC×1		
Camera			5.0M pixel (5.0 megapixel) *Camera with automatic focusing function		
Power	Main battery		Lithium-ion battery		
	Operating time	WLAN [3]	Approx. 23 hours (when using the standard battery) / Approx. 34 hours (when using the high-capacity battery)	Approx. 22 hours (when using the standard battery) / Approx. 33 hours (when using the high-capacity battery)	Approx. 18 hours (when using the standard battery) / Approx. 26 hours (when using the high-capacity battery)
		WWAN [4]	-	-	Approx. 8 hours (when using the standard battery) / Approx. 12 hours (when using the high-capacity battery)
Additional functionality			Clock, speaker, vibration, battery voltage indicator, key back light, G-sensor, microphone receiver		
Environmental performance	Operating temperature		- 20~50°C [5]		
	Protection rating		IP54		
	Drop resistance [6]		0.2m x over 1000 times / 1.5m x 30 times (5 times on each six sides) on a concrete floor		
Mass (including battery, stylus pen, hand-belt) [7]			Approx. 330g	Approx. 340g	Approx. 370g

* 1: The liquid panel is made with high-precision technology. Though the number of pixels available is 99.99%, please understand that there is 0.01% chance of the display being scrambled and turned off. * 2: Network range and transmission speed are logical variables and accordingly, these mayvary depending on the actual environmental condition. * 3: In the case of decode:wireless communication:screen update stand by = 1:1:1:20 and LCD back light is Low, turn ON the wireless only when connected to the network and turn OFF at other times. The operating time is for reference only at room temperature and it may vary depending on working conditions. * 4: The figures indicate reference values calculated for use at room temperature in the following 4 modes with an average use time proportion (decoding: 1; screen update: 9; network communication: 20; standby: 270) under the condition that the LCD backlight is set to Low for decoding and display modes, and to Dim for communication and standby modes. The device is always connected to 3G. The indicated values may vary depending on ambient environmental conditions. * 5: The temperature rises from 0 to 40°C while charging. * 6: This is a test value, not a guaranteed value. * 7: The value when using the standard battery

Option (sold separately)

● Holder, which performs data communication with BHT communication unit and the up-level device
- CU-1233(RS-232C/USB communication + main body charging + reserve battery charging)
- CU-1211(Ethernet communication + main body charging + reserve battery charging)

	CU-1233	CU-1211
Communication mode	Comply with RS-232/USB2.0 Full speed	Ethernet (100BASE-TX)
Charging time (main body)	Standard battery: about 3 hours, high-capacity battery: about 4.5 hours	
Reserve charging	Standard battery: about 3 hours, high-capacity battery: about 4.5 hours	
Size	133(D)×97(W)×101(H)	
Working voltage	AC adapter (AD3-1012/3000-2)	

● Battery
BHT reserve battery
- BT-110LA (standard battery only)
- BT-120LA-C (standard battery + battery cover)
- BT-110L (high-capacity battery only)
- BT-120L-C (high-capacity battery + battery cover)

Standard battery

High-capacity battery

● Recharger
- CH-1104 (4 serial battery rechargers)
- CH-1254 (4 serial unit rechargers)

● Soft case and others
- SCBHT-1200 (Soft case)
- WHBHT-1100/1200 (waist-pack case)
- SBBHT-700 (shoulder-belt)

Dimensions
Unit: mm (for reference only)

(Front)

BHT-1261BWB-CE
BHT-1261QWB-CE
77
178

BHT-1261QWBG-CE
77
186

(Side)

BHT-1261BWB-CE
38
29

BHT-1261QWB-CE
43
29

BHT-1261QWBG-CE
43.3
29
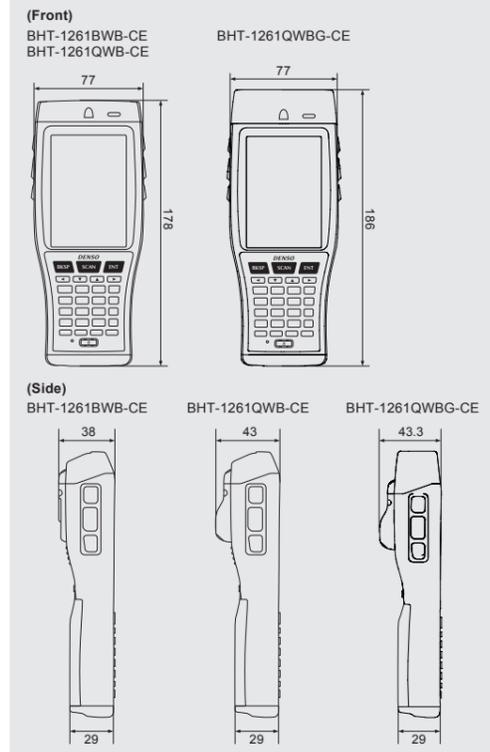
Components

● Hand-belt
● Stylus pen
● Guidelines for operation
● Instruction manual

* Battery and battery cover are not supplied with the product

Software

● Software Development Kit (SDK) for BHT Windows® CE [1]
● Keyboard interface software [kbifCE] [2]

*1 : This software is available from the site free of charge to those customers who have purchased BHT Windows
*2 : This software is installed on the system when delivered

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

For more information, please visit our website
http://www.denso-wave.com/en/adcd/

DENSO WAVE INCORPORATED

DENSO

HANDY TERMINAL

BHT-1200
SERIES

Bar code model
Built-in microphone receiver
BHT-1261BWB-CE

2D code model
Built-in microphone receiver
BHT-1261QWB-CE

NEW
Built-in microphone receiver and WWAN/GPS
BHT-1261QWBG-CE

57mm
Best design, which makes it easier to grip and simple to operate

Fast
Fast wireless communication, supporting IEEE802.11b/g/n

400 scan/sec
Increase the work efficiency with overwhelming scan-performance

DENSO
BHT-1200

BKSP | SCAN | ENT

GLOBAL PRODUCTS

Increase business efficiency. Expand functionality. Global model with high specifications

Easy to operate
Strengthen the advantages of PDA and make up for the weaknesses

Simple to operate with only one hand, even with just your thumbs

Keys are placed and arranged to enable one-handed operation

Easy to grip

57mm

About the size of a smartphone (57mm) and with a slim-shape that fits easily in your hands

Grip width   57mm

Stable grip

Stable to use, by holding the handle in one hand

12 functional keys

12keys

Set up frequently used functions with sufficient numbers of functional keys. You can use the product in a dark place, thanks to the key back light.

The big screen allows you to see the information easily at a glance

3.5 inch

Display screen with 3.5 inch high-precision HVGA clearly shows even small-sized characters

Delivery Information
Owner	Hanako Denso
Owner's address	1-1, Showa-cho, Kariya City, Aichi 448-8661
Delivery address	2-15-13, Shoto, Shibuya-ku, Tokyo 150-0046
TEL	090-1234-5678

Undelivered   Delivered

Delivery history
Date	Item	Number
2012.0527	Digital camera	B0058GIA0I
2012.0530	Kitchen utensil	B0040GJUAQ
2012.0602	Computer software	B007NTI260

Start

DENSO

BKSP   SCAN   ENT

Global support system
Experience Japanese levels of quality and service, worldwide

Global

Available in more than 40 countries across the world! Total support system

DENSO group operates globally, providing prompt support across a full range of services, from sales to maintenance. Language options allow you to change the language being displayed.

<Countries where BHT-1200 is used>
Japan, EU(27 countries), USA, Canada, Taiwan, Korea, Australia, New Zealand, Thailand, Malaysia, Indonesia, Philippines, Hong Kong, China, Russia, Brazil

Support an integrated management tool with the world's largest market share. Drastically reduce the cost and effort required for application updates.

BHT-1200 supports MobiControl, an integrated management tool for terminals *. Regardless of whether it is used in Japan or overseas, the terminal is managed by the management server, resulting in a reduction in the cost and effort required to run it, and meaning it runs seamlessly, saving you stress   * A separate contract is required to use MobiControl.

Examples of using MobiControl   * MobiControl is Soti,Inc's registered trademark

Synchronize the management server and the terminal
Collect data from each terminal and distribute the data stored on the server

Identify the fault of the terminal where the error has occurred
Compare and analyze the terminal program to find the cause of failure

Installing the software automatically updates it
Easy to update and install the unit application

Enhanced security against leakage of information
Embedded with security functions against loss of terminal, server attack and information leakage

Intensified management for terminals used overseas

Asia

Europe

North America

Japan[Manager server]
■Data notification
■Software distribution
■Remote control of terminal, etc

Wireless and security
The stability and speed required for business-use

Fast

Fast wireless communication
Avoid delays caused by congestion

Support IEEE802.11b/g/n. High-speed communication, without congestion in wireless network. Connect to the wireless network in 1 second, using the company's own driver

Security

Prevent unauthorized access and wiretapping

Embedded with WPA/WPA2, highly reliable security technique, together with WEP

For example
After break
After replacing the battery

Power ON
Reconnect by wireless
Class top level

Access point   1 second at most

Communication server
Authentication server
Access point
LAN
Wiretap prevention
TKIP/AES
802.1x
Prevents unauthorized access

Decoding performance Overwhelming speed!
Strong on decoding even over long distances away

(Bar code model)
400 scan/sec
400 scans in one second. Decodes even complicated codes at high speed

Decoding speed is almost thrice as fast compared to conventional laser scanners. As the product decodes even scratched or damaged codes, you can work fast without being stressed

(Bar code model)
1,000 mm
Read the code from a long distance away, without changing position

Read not only codes nearby, but also codes placed about a meter away. Easy to decode codes placed from floor to shelf in a same position

400 scans in one second

Scan up to the depth of about 1,300 mm distance

(2D code model)
Improved operability with a laser to indicate the decoding range and the central point

Range guide market, which acquired a patent in Japan, supports speedy decoding
* Patent no.3562395

The center of visual field   Decoding range

Camera 5.0 megapixel-level digital camera

5.0 Mega pixel

Take a photo of defective products while inspecting

Double-functional product with 5.0 megapixel-level digital camera function. Convenient auto-focus and built-in mini size light

Data backup

micro

Back up RAM data in MicroSDHC

2GB

Flash ROM with high-capacity of 2GB, use it without worries about the capacity

Durability

50℃ -20℃

Usable in a cold storage and even in the open air during the summer! Operating temperature -20℃ to 50℃

Cylindrical 'jacket-structure', protecting the board from impact, dust and water