

## 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	
OS	BHT-1261BWB-CE		BHT-1261QWB-CE		BHT-1261QWBG-CE	
CPU	Windows® Embedded CE 6.0 R3		ARM Cortex-A8 800MHz		ARM Cortex-A8 800MHz	
Memory	RAM		Mobile DDR 512MB		Mobile DDR 512MB	
Display	Flash ROM		2.0GB		2.0GB	
	Number of Dots <sup>1</sup>		320 x 480 dots (3.5 inch HVGA)		320 x 480 dots (3.5 inch HVGA)	
Scanner	Display device		Liquid crystal dot matrix display (color)		Liquid crystal dot matrix display (color)	
	Back light		White LED		White LED	
Mode	Advanced scan plus (CCD)		Area sensor		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)	
Minimum resolution	Bar code	0.125mm		0.125mm		
	2D code	-		0.167mm		
Maker	-		Area guide maker		Area guide maker	
Scan Confirmation	-		LED in three colors: Red/green/blue, speaker, vibration		LED in three colors: Red/green/blue, speaker, vibration	
Key input section	Number of keys		30 keys (excluding the power key) + 3 trigger keys		30 keys (excluding the power key) + 3 trigger keys	
Network	Wireless LAN		Substandard		Comply with IEEE802.11b/g/n	
	Frequency		-		IEEE802.11b/g/n(2.4GHz)	
	Network range <sup>2</sup>		-		IEEE802.11b/g/n(indoor: about 150m, outdoor: about 300m)	
	Transmission speed <sup>2</sup>		-		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	-		-		MicroSDHCx1	
Camera	-		5.0M pixel (5.0 megapixel)		* Camera with automatic focusing function	
Power	Main battery		Lithium-ion battery		Lithium-ion battery	
	Operating time	WLAN <sup>3</sup>	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)	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 <sup>5</sup>	
	Protection rating		-		IP54	
Drop resistance <sup>6</sup>		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) <sup>7</sup>		Approx. 330g		Approx. 340g		

\* 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 may vary 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)

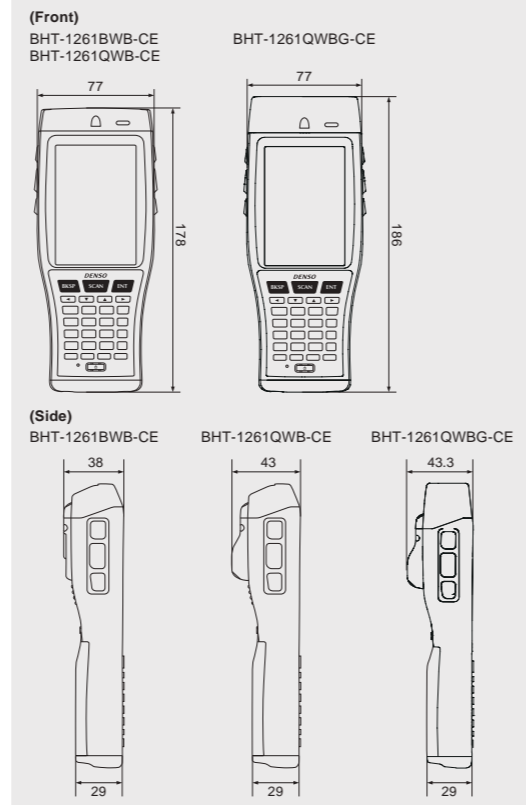
	CU-1233	CU-1211
Communication mode	Compy with RS-232/USB2.0 Full speed	Ethernet (100BASE-TX)
Charging time (main body)	Standard battery: about 3 hours, high-capacity battery: about 4.5 hours	
Reserve charging	Standard battery: about 3 hours, high-capacity battery: about 4.5 hours	
Size	133(D)x97(W)x101(H)	
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)
- **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)

High-capacity battery

### Dimensions

Unit: mm (for reference only)



### 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<sup>1</sup>
  - Keyboard interface software [kbifCE]<sup>2</sup>
- \* 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
- HP 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/adcc/>

\*Appearance and specifications are subject to change without prior notice. \*Description stated in this catalogue is as of May, 2013.

# BHT-1200 SERIES

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

2D code model  
 Built-in microphone receiver  
 BHT-1261QWB-CE  
 Built-in microphone receiver and WWAN/GPS  
 BHT-1261QWBG-CE

**NEW**



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



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



Increase the work efficiency with overwhelming scan-performance

## DENSO WAVE INCORPORATED

Unit 509, 5/F, Tower II, Cheung Sha Wan Plaza, 833 Cheung Sha Wan Road, Kowloon, Hong Kong  
 Tel: (852) 2788 3306/ (852) 2784 2868  
 Fax: (852) 2319 2967  
 Email: [sales@milliontech.com](mailto:sales@milliontech.com)  
 Website: [www.milliontech.com](http://www.milliontech.com)



# 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



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



Stable grip



Stable to use, by holding the handle in one hand



12 functional keys



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

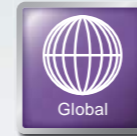


Display screen with 3.5 inch high-precision HVGA clearly shows even small-sized characters



## Global support system

Experience Japanese levels of quality and service, worldwide



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

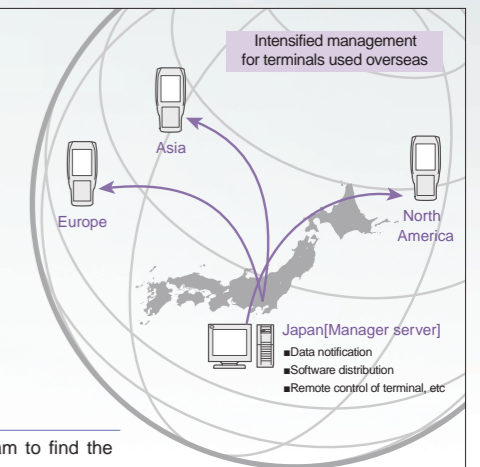
Installing the software automatically updates it  
Easy to update and install the unit application

Identify the fault of the terminal where the error has occurred

Compare and analyze the terminal program to find the cause of failure

Enhanced security against leakage of information

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



## Wireless and security

The stability and speed required for business-use



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

For example

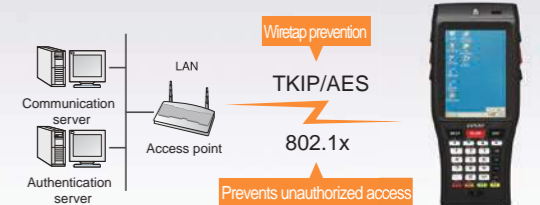
After break

After replacing the battery



Prevent unauthorized access and wiretapping

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



Decoding performance Overwhelming speed!  
Strong on decoding even over long distances away  
(Bar code model)



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)



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



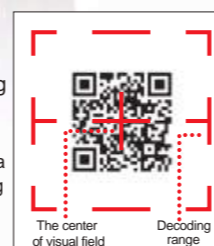
400 scans in one second  
Scan up to the depth of about 1,300 mm distance

(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



Camera 5.0 megapixel-level digital camera



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



Back up RAM data in MicroSDHC



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

Durability



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



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