DENSO |||ADC

INVENTOR OF THE QR CODE®

[BHT-1200 Series]

Ergonomic design—easy to hold and operate

Fast wireless communication; supports IEEE802.11b/g/n

Super high-speed scanning increases work efficiency

Large, easy-to-view 3.5-inch HVGA color display

Robust, highly durable construction

1-D and 2-D models

HIGH-PERFORMANCE GLOBAL MODEL INCREASES EFFICIENCY
Easy to operate—The flexibility of a PDA, with the power of a terminal

Easy to operate with only one hand, or even with just your thumb.
- Ergonomic key arrangement enables one-hand operation.

Easy to hold
- About the same width as a smartphone (57 mm); shaped to fit easily in your hand.

Grip width   57mm

Secure grip
- Stable one-hand operation with built-in hand strap.

12 function keys
- One-key access for up to 12 frequently used functions.
- Backlight allows use in dark environments.

Large screen lets you quickly see information at a glance
- High-precision, 3.5-inch HVGA color display clearly shows even small-sized characters.

SCANNING PERFORMANCE
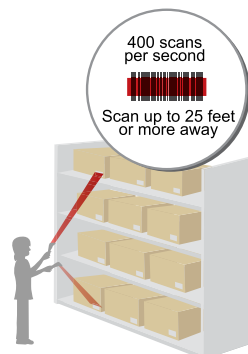**Superfast scanning. Scans reliably even at a distance.**

1-D model
- 400 scans per second.
- Reads even complicated codes at high speed.
- Reading speed is three times faster than conventional laser scanners.
- Reads even scratched or damaged codes, so you can work fast without interruption.

1-D model
- Read codes at a distance without having to change position.
- Read codes from close up, or as far away as 25 feet or more.
- Easy to scan items on all shelves, from top to bottom.

400 scans per second
Scan up to 25 feet or more away

2-D model
- Laser indicates scanning range and center of focus.
- Patented scanner rangefinder enables fast scanning. *Patent No.3562395

Scanning range*

Center of scanning field

GLOBAL SUPPORT SYSTEM
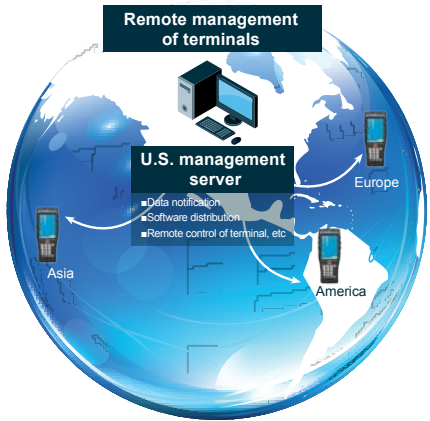**Experience DENSO quality and service, worldwide**

Comprehensive support system available in more than 40 countries throughout the world.
DENSO Group operates globally, providing prompt support with a full range of services, from sales to maintenance. Language options allow you to change the language being displayed.

Large installed base
USA, Japan, EU (27 countries), Canada, Taiwan, Korea, Australia, New Zealand, Thailand, Malaysia, Indonesia, Philippines, Hong Kong, China, Russia, Brazil

Remote management of terminals

U.S. management server
■Data notification
■Software distribution
■Remote control of terminal, etc

Europe
Asia
America

MobiControl worldwide terminal management

Supports an integrated management tool with the world's largest market share. Dramatically reduces the cost and effort required for application support.
The BHT-1200 supports MobiControl® integrated management tool for terminals**. No matter where your terminals are used throughout the world, they are managed by the MobiControl server, resulting in a reduction in the cost and effort required to run them and ensuring that they continue to operate seamlessly.

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

◙ **Easy to install and update application software**
Automatic software updates.

◙ **Identify terminal faults when errors occur**
Analyze terminal program to find the cause of the failure.

◙ **Enhanced security protects against information theft**
Embedded security functions protect in case of terminal loss as well as against server attack or information theft. Automatic software updates.

* MobiControl is a registered trademark of Soti, Inc.
** Separate contract required to use MobiControl.

WIRELESS AND SECURITY
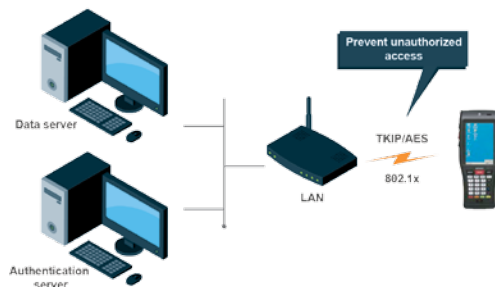
The stability and speed required for business use

Fast wireless communication.
Avoid delays caused by network congestion.
◙ Supports IEEE802.11b/g/n, for reliable high-speed wireless communication.
◙ Reconnect to the wireless network in just one second, using DENSO's proprietary software.

Power on ⟩⟩⟩⟩⟩⟩⟩⟩⟩ Reconnect wirelessly
Fastest in class

Dropped connection
Battery replacement
Max. 1 sec.
Access point

Prevent unauthorized access.
◙ Highly reliable WPA/WPA2 (as well as WEP) network security.

Prevent unauthorized access
Data server
Authentication server
TKIP/AES
802.1x
LAN

CAMERA
5.0-megapixel camera

◙ Take photos of defective products while scanning.
◙ Dual-function product features 5.0-megapixel camera.
◙ Convenient autofocus and built-in flash.

DATA BACKUP

◙ Back up RAM data to MicroSDHC.

◙ High-capacity, 2 GB flash ROM.

DURABILITY

◙ Usable in cold storage and even outdoors in hot summer weather.
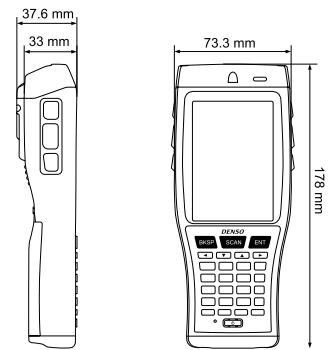◙ Operating temperature -4 to 122 °F (-20 to 50 °C)

◙ Cylindrical jacket structure protects PCB (main board) from impact, dust and water.

BHT-1200 SPECIFICATIONS

		1-D model	2-D model
		Built-in microphone and receiver	
Type		**BHT-1261BWB-CE**	**BHT-1261QWB-CE**
OS		Windows® Embedded CE 6.0 R3	
CPU		ARM Coretex-A8 800 MHz	
Memory	RAM	Mobile DDR 512 MB	
	ROM	2.0 GB	
Display	Number of pixels[1]	320 x 480 (3.5" HVGA) / 240 x 320 (3.5" QVGA)	
	Display	Liquid crystal dot matrix (color)	
	Backlight	White LED	
Scanner	Scanning system	Advanced Scan Plus™ (CCD)	Area sensor
	Readable codes — 1-D codes	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), Code 39, Code 93, Code 128, 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), Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS)
	2-D codes	-	QR Code, micro QR Code, SQRC, iQR, PDF417, micro PDF417, MaxiCode, Data Matrix (ECC 200), Aztec, GS1 DataBar Composite (EAN.UCC Composite)
	Minimum resolution — 1-D codes	0.125 mm	
	2-D codes	-	0.167 mm
	Scanning guide	CCD illumination	Laser guide pattern
	Scan confirmation	LED (three colors: red, green, blue), speaker, vibration	
Keyboard	Number of keys	30 (excluding power key) plus 3 trigger keys	
Network	Wireless I/F — Standard	IEEE802.11b/g/n	
	Frequency	2.4 GHz	
	Network range[2]	Indoor: approx. 150 m; outdoor: approx. 300 m	
	Transmission Speed[2]	IEEE802.11b: 11/5.5/2/1 Mbps; IEEE802.11g: 54/48/36/24/18/12/9/6 Mbps; IEEE802.11n: 65/58.5/52/39/26/19.5/13/6.5 Mbps	
	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 client	
Card slot		MicroSDHC	
Camera		5.0 megapixels, auto-focusing	
Power	Main battery	Lithium-ion	
	Operating time[3]	Standard battery: approx. 23 hours High-capacity battery: approx. 34 hours	Standard battery: approx. 22 hours High-capacity battery: approx. 33 hours
Additional functionality		VOIP, speaker, vibration alert, battery-voltage indicator, key backlight, G-sensor, microphone, clock	
Environmental requirements	Operating temperature	-4 to 122°F (-20 to 50 ℃)[4]	
	Protection level	IP54	
	Drop resistance[5]	Drop onto concrete floor more than 1,000 times from 0.2 m and 30 times from 1.5 m (5 times on each of 6 sides)	
Weight (incl. battery, stylus pen, hand strap)[6]		Approx. 330 g	Approx. 340 g

1. LCD manufactured with high-precision technology. Number of available pixels is 99.99% (max. 0.01% of pixels may be missing or turned off).
2. Transmission range and speed are theoretical values and may vary depending on operating environment.
3. At a scanning:wireless transmission:screen update:standby ratio of 1:1:1:20, with wireless on standby (power-save on) and LCD backlight low. Operating time given is for room temperature and may vary depending on environmental conditions.
4. Rises from 0 to 40 °C (32 to 104 °F) while charging.
5. Test value only (not guaranteed).
6. When using standard battery.

DIMENSIONS

37.6 mm
33 mm
73.3 mm
178 mm

INCLUDED ACCESSORIES

◙ Hand strap
◙ Stylus pen
◙ Operation guide
HP▼ User manual

Battery and battery cover not included.

SOFTWARE

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

1. Can be downloaded at www.denso-adc.com free of charge by customers who have purchased a Windows-version BHT.
2. Pre-installed on BHT.

HP▼ Items with this symbol are available from www.denso-adc.com free of charge.

OPTIONAL ACCESSORIES (sold separately)

Transmission unit (cradle) for data communication between BHT and higher-level devices
◙ CU-1233 (RS-232C/USB communication, main-unit charging, reserve-battery charging)
◙ CU1211 (Ethernet communication, main-unit charging, reserve-battery charging)

	CU-1233	CU-1211
Communication mode	RS-232/USB 2.0	Ethernet (100BASE-TX)
Charging time (main unit)	Standard battery: approx. 3 hrs.; high-capacity battery: approx. 4.5 hrs.	
Reserve charging	Standard battery: approx. 3 hrs.; high-capacity battery: approx. 4.5 hrs.	
Dimensions (mm)	133 (D) × 97 (W) × 101 (H)	
Power supply	AC adapter (AD3-1012/3000-2)	

Direct cable
◙ Connects BHT to higher-level devices
◙ RS-232C ◙ USB

Batteries
◙ BT-110LA ◙ BT-120LA-C
◙ BT-110L ◙ BT-120L-C

Cases and shoulder belt
◙ SCBHT-1100/1200
◙ SCBHT-1200Q
◙ WHBHT-1200
◙ SBBHT-700

BHT-1200 Web page

DENSO
I N V E N T O R   O F   T H E   Q R   C O D E®