Supports any system.

Applications for BHT-1300 series

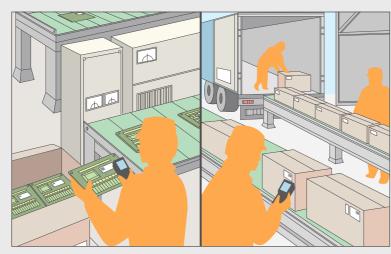
In retail/wholesale fields

- It can be held comfortably even by women, and its aesthetics enable it to fit in anywhere with style.
- Thanks to its 360° reading capability, inventory time can be drastically cut.



In distribution/ manufacturing fields

- Round-the-clock use of the model, which is compliant with IEEE 802.11 b/g/n, is possible while it is operated online.
- The model's robust durability ensures accurate use in tough work environments with peace of mind.



DENSO WAVE Quality

Why are DENSO WAVE's products chosen over others?



itomatic recognition field whose products boas e No. 1 spot for the number of units in use.

ven after sales end, 5-year support is guaranteed.



DENSO WAVE is engaged in every aspect of a product, its development, production, marketing and maintenance.

ENSO WAVE is the company that developed



BHT-1300

			2D code model				Barcode model				
Туре			BHT- 1361Q-CE	BHT-1361QWB-CE	BHT- 1306Q	BHT-1306QWB	BHT- 1361B- CE		BHT- 1306B		
os			Windo	ws Embedded Compact 7		BHT-OS	Wind	ows Embedded Compact 7		BHT-OS	
CPU	U			ARM Cortex-A8 800 MHz		32-bit RISC microprocessor		ARM Cortex-A8 800 MHz		32-bit RISC microprocessor	
Memory Flash ROM ⁻¹			2.0 0	B (1.2 GB for user area)	64 MB (45 MB for user area)		2.0 GB (1.2 GB for user area)		64 MB (45 MB for user area)		
Display	Number of Dots ^{*2}		2.4 inch QVGA (240x320 dots)								
	Display device		Liquid crystal dot matrix display (color)								
	Displayable 16-dot font characters*3 24-dot font		Can be set	as required in the application.		haracters) × 20 rows, 30 (1-byte characters) × 20 rows haracters) × 13 rows, 20 (1-byte characters) × 13 rows	Can be set as required in the application			aracters) x 20 rows, 30 (1-byte characters) x 20 ro aracters) x 13 rows, 20 (1-byte characters) x 13 ro	
	Back light					Whi	te LED				
	Mode			Area sensor Adva					ced scan plu	s (CCD)	
		2D code	QR code, micro QR code, SQRC iQR, PDF417, micro PDF417, Maxi code, DataMatrix (ECC200), GS1 DataBar Composite (EAN.UCC Composite)				-				
		Barcode	EAN-13/-8 (JAN-13/-8), UPC-A/-E, UPC/EAN (Add-on embedded), Interleaved 2 of 5 (ITF), Standard 2 of 5 (STF), CODABAR (CODE39, CODE39, CODE128, GS1-128 (EAN-128), GS1 DataBar(RSS)							BAR (NW-7),	
		2D code			0.167 mm			-			
		Barcode					15 mm				
	Reading reference position		100 mm				50 mm				
	Maker		Area LED in two colors: Blue/red. speaker.			ea guide maker		LED in two colors: Blue/red, speaker.		- LED in three colors: Plus/rad/green analysis	
	Scan Confirmation		LED IN TV	vibrator	LED in three colors: Blue/red/green, speaker, vibrator		LED IN t	wo colors: Blue/red, speaker, vibrator	LED in three colors: Blue/red/green, speaker, vibrator		
Key input section	Number of		21 keys (including power key) + cross cursor key + 3 trigger keys ⁴								
Communication .	Optical I/F	Communication mode		-	Infrared ray (IrDA Ver. 1.2[low power]physical signaling layer-compliant)		-		Infrared ray (IrDA Ver. 1.2[low power]physical signaling layer-compliant)		
		Transmission speed		-	Up to 115.2 kbps, 460.8 kbps		-		Up to 115.2 kbps, 460.8 kbps		
		Communication distance	-		Approximately 0.15 m MAX.		-		Approximately 0.15 m MAX.		
	LAN	Suitable standard	-	IEEE.802.11b/g/n compliant	-	IEEE.802.11b/g/n compliant	-	IEEE.802.11b/g/n compliant	-	IEEE.802.11b/g/n compliant	
		Frequency	-	2.4 GHz band	-	2.4 GHz band	-	2.4 GHz band	-	2.4 GHz band	
		Communication distance 5	-	Approx. 75 m indoors, approx. 200 m outdoors	-	Approx. 75 m indoors, approx. 200 m outdoors	-	Approx. 75 m indoors, approx. 200 m outdoors	-	Approx. 75 m indoors, approx. 200 m outdoors	
		Transmission speed ^{'5}	-	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	-	IEEE802.11b:11/5.5/2/1 Mbp, IEEE802.11g:54/48/36/24/18/12/9/6Mbps, IEEE802.11n:65/58.5/52/ 39/26/19.5/13/6.5Mbps	-	IEEE802.11b:11/5.5/2/1Mbps, IEEE802.11 g:54/48/36/24/18/12/9/6Mbps, IEEE802.11n:65/58.5/52/ 39/26/19.5/13/6.5Mbps	-	IEEE802.11b:11/5.5/2/1Mbps, IEEE802.11 g:54/48/36/24/18/12/9/6Mbps, IEEE802.11n:65/58.5/52/39/26/19.5/13/6.5Mbp	
		Access method	-	Infrastructure mode	-	Infrastructure mode, ad-hoc mode	-	Infrastructure mode	-	Infrastructure mode, ad-hoc mode	
		Security	-	WEP40, 128,WPA-PSK(TKIP,AES), WPA2-PSK(TKIP,AES), WPA-1x(TKIP,AES/EAP-TLS, PEAP,LEAP,EAP-FAST), WPA-2x(TKIP,AES/EAP-TLS, PEAP,LEAP,EAP-FAST), 802 1x(WEP)/EAP-TLS, PEAP,LEAP,EAP-FAST)	_	WEP40/128, WPA-PSK(TKIP), WPA2-PSK(AES), WPA-1x(TKIP)EAP-TLS,PEAP), WPA2-1x(AES/EAP-TLS,PEAP), 802.1x(EAP-TLS,PEAP)	-	WEP40, 128, WPA-PSK(TKIP, AES), WPA2-PSK(TKIP, AES), WPA2-K(TKIP, AES)EAP-TLS, PEAP, LEAPEAP-FAST), WPA2-XTKIP, AESEAP-TLS, PEAP, LEAP-EAP-TLS, PEAP, LEAP-EAP-TLS, PEAP, LEAP-EAP-TLS, PEAP, LEAP-EAP-TLS, PEAP, LEAP-EAP-TLS,	-	WEP40/128, WPA-PSK(TKIP), WPA2-PSK(AES WPA-1xfTKIPIEAP-TLS,PEAP), WPA2-1xf(AES/EAP-TLS,PEAP), 802.1x(EAP-TLS,PEAP)	
	Bluetooth		-	Bluetooth Ver. 2.1 + EDR based class 2	-	Bluetooth Ver. 2.1 + EDR based class 2	-	Bluetooth Ver. 2.1 + EDR based class 2	-	Bluetooth Ver. 2.1 + EDR based class 2	
	Cable I/F			-		USB Ver. 2.0 (USB microB)		-		USB Ver. 2.0 (USB microB)	
Card slot						MicroSD or MicroSDHC (up	,				
Additional functionality		Clock, speaker, vibrator, battery and voltage indicators, keypad backlight Clock, speaker, vibrator, battery and voltage indicators, keypad backlight, remote wakeup					Clock, speaker, vibrator, battery and voltage indicators, keypad backlight Clock, speaker, vibrator, battery and voltage indicators, keypad backlight, remote wakeup				
			-20 to 50°C°								
performance	Security level		IP54								
Mass	Drop resista	ance'		10 times of o x. 193 g (with thin battery approx. 211 g (with standard	ropping tests from 2.0/1.2 m height over a concrete flo Approx. 188 g (with thin battery mouted),		oor with each of 6 sides of the enclosure faci Approx. 193 g (with thin battery mouted), approx. 211 g (with standard		cing down (60 times total) Approx. 188 g (with thin battery mouted),		

*1 Memory (about 400 KB) for font file area included in the user area; "2 Although the effective number of picture elements is more than 99.99% thanks to high-precision technologies used to manufacture LCDs, allow the possibility of some elements, less than 0.01%, that are missing or permanently turned on; "3 For BHT-OS model, the standard font, the small font, the 30-dot font and the 40-dot font can be set in addition to the 16-dot font and the 24-dot font; "4 Windows-OS model and BHT-OS model differ in key layout and allocation; "5 The listed figures for communication distance and speed are theoretically possible figures and may very depending on the work environment where the unit is used; "6 Zero to 40°C when batteries are being recharged; "7 Result obtained in a test

Power supply specifications

Туре		2D code model					Barcode model			
			BHT- 1361Q-CE	BHT-1361QWB-CE	BHT- 1306Q	BHT-1306QWB	BHT- 1361B-CE		BHT- 1306B	BHT-1306BWB
Power	Main battery		Lithium-ion battery		Lithium-ion battery or 3 AAA alkaline batteries (separately sold battery adapter required)		Lithium-ion battery		Lithium-ion battery or 3 AAA alkaline batteries (separately sold battery adapter required)	
		Standard battery	29 hours 9	29 hours 9/27 hours 10 111	95 hours ^{*9}	95 hours 9/40 hours 10 111	30 hours 9	30 hours 9/28 hours 10 111	98 hours ^{*9}	98 hours*9/42 hours*10*11
		Thin battery	16 hours ^{'9}	16 hours*9/14 hours*10*11	55 hours ¹⁹	55 hours 9/21 hours 10 111	17 hours ¹⁹	17 hours 9/15 hours 10 11	57 hours ⁹	57 hours ¹⁹ /23 hours ¹⁰ 11
		AAA alkaline batteries		-	45 hours ¹⁹	45 hours '9/17 hours '10 *11		-	55 hours 9	55 hours *9/20 hours *10 *11

Before using this product, please read its User's Manual thoroughly for correct use.

For more information, please visit our website

http://www.denso-wave.com/en/adcd/





HANDY TERMINAL

NEW> BHT-1300

2D code model

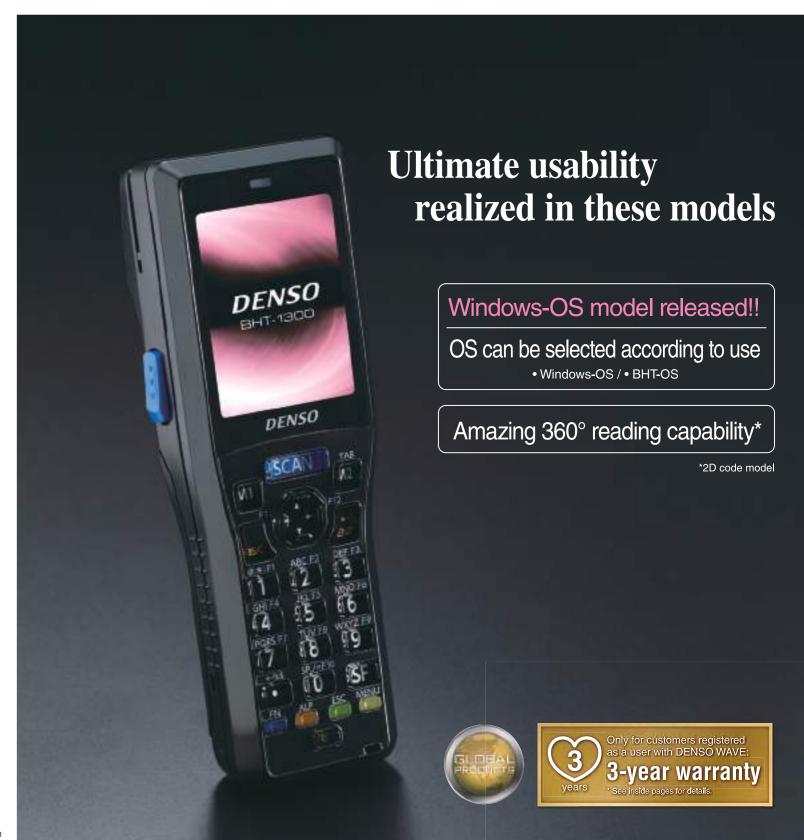


<Windows-OS model> <BHT-OS model> BHT-1306Q BHT-1306QWB

Barcode model



<Windows-OS model> <BHT-OS model> BHT-1361B-CE BHT-1361BWB-CE BHT-1306BWB





OS can be selected from "Windows-OS" and "BHT-OS"!

Universal handy terminal launched!

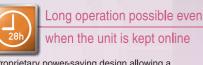
NEW

Windows-OS model released, as user-friendly as ever

Windows-OS



User friendly!



Proprietary power-saving design allowing a 28-hour* consecutive operation, the longest in its

of screen, and holding durations are 1:1:1:20 in continuous wireless operation; when a standard battery is



tuitive operation with

· A convenient touch panel allows intuitive operation.



Capability to read codes from any angle f 360° makes for quick reading.*

· Smooth 360° reading is realized using the latest algorithms. · Compared to barcode models, working time with the model can be reduced up to 30%.

out easy to use

comfortable operation despite size constraints.

easily by workers wearing work gloves.

mounted in respective 2D code models

· Each model's body is more than 15% thinner, lighter and

Design was sought for functional beauty that also allows

Dome-shaped keys are used, which can be operated

*Compared to Denso Wave's BHT-800Q when a thin battery is





Distinctive displays even n bright sunlight

· A high-visibility LCD, High-Bright Display, is used. · A wide viewing angle, and therefore, enhanced visibility from oblique angles is realized.





· Operation time longer than Windows-OS model. Unique power-saving design enables best-in-class long-time operation of 42 hours* even when continuously connected by wireless.

standby = 1:1:1:20 under continuous wireless WAN



Ready for use with simple usiness application software.

· A simple business application software (Easy Pack Ad) allowing collection of actual records for inventory and inspection plus 1:1/1:n collation is included as standard equipment

· No other devices are required for data transmission.



Easy-to-use

Even in the case of sudden loss of battery power, commercially-available dry-cell batteries can be used.

*A dry-cell adapter is separately required.

Equipment that can be managed with peace of mind!

gh-performance hardware

ables comfortable operation

· High-speed CPU and large-capacity memory enable fast and efficient processing.



ased on Windows Embedded

ompact 7

· Easy to use around the world, with a versatile OS.



note desktop/web browser duces development man-hours.

· Newly incorporated "remote desktop plug-in" and "web browser plug-in" enable thin client implementation with lower development costs.



uick wireless cloning*

· Copies of another terminal can be made quickly Each terminal can be set up wirelessly without using a PC.





Solid and robust to protect ooth hardware and data

· Built-in toughness that endures droppings from 2 m height and operates in minus 20° to 50°C temperature range. · For Windows-OS model, data on terminals can be backed up with BHT Backup.

· For BHT-OS model, its transaction function automatically restores the immediately previous conditions in the case where the battery is disconnected and a file error occurs.



Comprehensive support system

vailable anywhere in the world.

· The model can be used in more than 40 countries Supports multi-language display.

For Windows-OS, fonts for more than 40 countries are supported. For BHT-OS model, Japanese, English, Chinese, Korean and Thai



3-year warranty allows customer's Warranty period is generally ong use with peace of mind.

· Customers who register on Denso Wave's website are offered a 3-year warranty. 1-year warranty for consumables as defined by DENSO WAVE.

With BHT-1300, warranty period is Jyears. 🔀

1 year 🎅

27 countries in the EU, USA, Canada, Australia, New

Hong Kong, South Korea, Singapore, Thailand, Malaysia

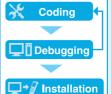
Zealand, China, Taiwan,

Vietnam, Russia, Brazil



quipped with BHT-BASIC.

· Equipped with a development tool to help develop all kinds of applications. Coding, debugging and installation can be efficiently controlled. · Highly compatible, unique OS enables effective use of application assets.





Solid middleware suited

· Various software applications are prepared in cooperation with partner companies across Japan. We introduce software applications best suited to the industry and implementation for each customer



· Copies of another terminal can be made easily.

· BHT-OS model is as user-friendly as previous models, yet enables cloning

Compact model with ultimate usability

DENSO BHT-1305 DENSO

BHT-OS

 Development tools Windows Embedded Compact 7-based Software Development Kit for BHT* (SDK)

* This application software can be downloaded from our dedicated customer site only by

Preinstalled software

<BHT-OS model>

Development tools

<Windows-OS model>

Preinstalled software

HTML browser
 Online system emulator

 Hand strap with stylus Guidelines for operation * Battery and battery cover are not supplied with the product

Instruction manual <BHT-OS model>

Guidelines for operation

Instruction manual

* Battery and battery cover are not

Hand strap

Setup software

•BHT Setting ₩

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

BHT-C software development kit !!!

<Windows-OS model>

Holder, which performs data communication with

• BHT-BASIC4.0 Transfer Utility

BHT-1300 SERIES

BHT communication unit and the up-level device

 CU-1311A (Ethernet communications + recharging) •CU-1321 (USB communications + recharging)

RS-232C Charging unit Battery

Supplied from USB port/AC adapter*2 Working voltage

 Batteries/battery adapters Soft case and others

• EA-13B (touch scan 🕟

Recharger

CH-1104 Common (4 serial battery rechargers)
CH-1354 Common (4 serial unit rechargers)
CH-201A (Battery charger)
CH-201B (Battery charger)
Common

CBBHT-US2000/C13-4A-CE

The BHT-1300 can be charged

<BHT-OS model>

Holder, which performs data communication with BHT communication unit and the un-level device

CU-1311 (Ethernet communications + recharging)

•CU-1321 (USB communications + recharging)



Between Communication BHT and host mode Approx. 3 hrs for standard battery/ Approx. 2 hrs for thin battery Approx. 7 hrs for standard battery Approx. 4 hrs for thin battery*1 Charging unit Battery Working voltage Supplied from USB port/AC adapter*

Soft case and others

Batteries/battery adapters

BI-130DA (fillin battery only)
BI-20LB (standard batteries d
B-130D (adapter for drycell)

* Available in a limited number of countrie

Recharger

(4 serial battery rechargers
• CH-1354 Gommon

Communication cable

Common: Peripheral devices bearing this mark can be used for both Windows OS and BHT-OS models.