

Made in JAPAN

We offer high product quality and attentive customer-oriented service through in-house planning, development, design, manufacturing and support services that are all performed in an integrated manner in Japan.





Global Support Service

We make use of the DENSO Group's global sales network for the global supply of our products.

We have 19 support bases in 11 countries (seven in Japan and 12 outside the country) to provide customers with substantial support on a global scale.







Extended Three-year Warranty

Register your product on our website and we extend the warranty period from one year to three.









Robust Enough to Keep Operations on Track

POINT 1

Withstands Drops from a Height of 2.5 m

The BHT-1700/1800 series handheld terminals are the strongest created by DENSO WAVE. The terminals can withstand drops from heights up to 2.5m. The terminals are built to be robust, smart terminals with lightweight stylish design. The pursuit of a robust yet lightweight design has resulted in terminals that do not need unnecessary components.



Strong Yet Lightweight Materials

The frame is made from a highly rigid, yet light magnesium alloy while the corners of the main unit, which are most likely to be subject to damage, have a more optimal design. The exterior jacket with few seams is made from durable polycarbonate and protects the terminal from dust and water droplets.

POINT 2

Protection Level as High as IP67 Achieved by Advanced Sealing Technology

For higher protection against dust and water droplets, high-performance sealing materials developed by DENSO for manufacturing of automotive components are adopted for the numeric keypad, side key, battery cover and other components to ensure the correct functioning of the terminal even under unfavorable conditions.

POINT 3

Tempered Glass Provides Strength and Visibility

For the display, chemically strengthened Dragontrail® PRO glass panel from Asahi Glass is adopted to protect the screen from external pressure and drop-related shocks. The display is also very hard and highly resistant to scratches, ensuring the terminal's usability even in punishing environments.

DENZIO

Superior Reading Performance Realizes High Efficiency

New, More Powerful Reading Module

We have developed a new module, which can read codes at a distance of 35mm. The module will not read codes by mistake and can read even stained, blurred or distorted codes instantly, eliminating the need for repeated scanning.

Exclusive CPU for Stable Scanning Performance

In addition to the quad-core CPU for running application software, an exclusive CPU is mounted to the terminal for reading and decoding. This allows multiple high-load applications to be run on the terminal while the scanner is reading codes smoothly and promptly.

Scanning distance*



Shortest

scanning distance

35mm

Easy to Use for On-site Workers



DENSO

Stocktaking

52-3044

A-0003

Confirm

III ON/OFF

Operator

Rack No.

Item No.

♠ Home

POINT 1

Check the Terminal's Screen While Scanning

Based on our experience at a wide-range of worksites, DENSO WAVE developed the uniquely angled scan head for the reading module. It allows the user to check the terminal's screen while scanning, thus eliminating the need to shift the terminal from one hand to the other or to twist the wrist to see the screen, allowing for higher work efficiency.

POINT 2

Customizable for Better Use

In addition to the trigger key, multiple magic keys are arranged on the side of the terminal for flexible key assignment of frequently-used functions. "Touch Trigger" can also be placed in an easy-to-tap position on the screen. Such customization further helps increase operational efficiency.









BHT-1700 SERIES

Model Equipped with a Numeric Keypad to Increase One-handed Operations

For one-handed operations, frequently-used buttons are placed within easy reach of the thumb. The dome-shaped keys allow the user to press the buttons precisely, even while wearing gloves.





Touch Panel Operable with Gloves on

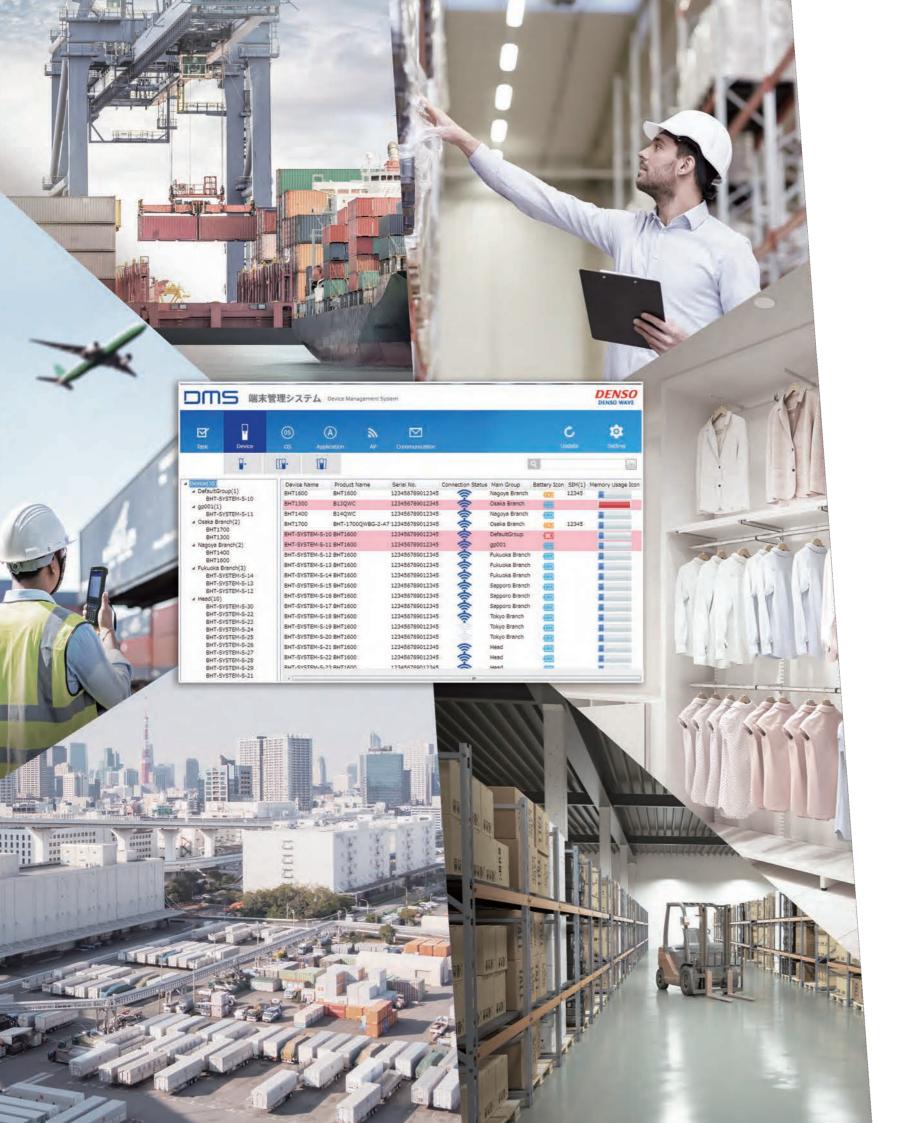
The capacitance multi-touch panel is intended for smooth operation. The user can readily operate the touch panel even while wearing gloves, thanks to the technology adopted to give the screen high sensitivity.











Central Management of BHT Devices Across the World with Software



BHT Device Management System (DMS)*

The BHT DMS is composed of a client application designed to run on a terminal and a management application on a personal computer. The DMS is used to manage the terminal, update the application software and OS, transmit master files and others, and collect result files. Central management based on a network will reduce the burden imposed on the system administrator. Moreover, the terminal information can be confirmed in real time for the central management of the terminal.

*Note:The software is available for a fee.

Device Management Tools

"Lite" and "Standard" are available.

		Description		
Outline of the function	Description	Lite	Standard	
Obtain terminal information	Display information including the device number, IP address, and remaining battery capacity	0	0	
Check the status of connection	Display the state of wireless LAN connection by using an icon	0	0	
Update the terminal settings	Change the terminal settings such as wireless LAN setting	0	0	
Kitting	Simple setting for connection to the management tool (CSV bulk registration enabled)	0	0	
Version management for the application software and OS	Dispatch and update of the application software and OS	0	0	
Group management	Individual setting done by each store (security setting, dispatch of application software, etc.)	-	0	
Communication	Messaging	-	0	
	Password lock	-	0	
Convity management	Terminal data deletion	-	0	
Security management	Lock the terminal when it is stolen	-	0	
	Limit the use of the device functions	_	0	
Search for the terminal	Make alarm sound from the terminal when it is lost	-	0	
Alert	Gives alerts about the remaining battery/memory capacity	_	0	
Linkage with operational app	Display the list of information received from operational app	0	0	

Supported BHT Devices

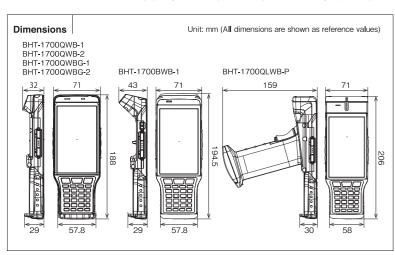
Name of the terminal		Model		OS
BHT-1800 SERIES	BHT-1800QWBG-1 BHT-1800QWBG-2	BHT-1800QWBG-3 BHT-1800QWB-1	BHT-1800QWB-2 BHT-1800QWB-3	Android™ 7.1.2
BHT-1700 SERIES	BHT-1700QWBG-1 BHT-1700QWBG-2	BHT-1700QWB-1 BHT-1700QWB-2	BHT-1700BWB-1 BHT-1700QLWB-P	Android™ 7.1.2
BHT-1600 SERIES	BHT-1600QWBG-A6N-S BHT-1600QWBG-A6N-RS	BHT-1600QWB-A6N-S BHT-1600QWB-A6N-RS		Android™ 6.0
BHT-1400 SERIES	BHT-1461QWB-CE BHT-1461QWB-CE-O	BHT-1461BWB-CE		Windows EmbeddedCompact 7
BHT-1300 SERIES	BHT-1361QWB-CE	BHT-1361BWB-CE		Windows EmbeddedCompact 7
BHT-1200 SERIES	BHT-1261QWB-CE (WEC7) BHT-1261BWB-CE (WEC7)	BHT-1261BWB-CE (H-WEC	7)	Windows EmbeddedCompact 7
	BHT-1261QWB-CE BHT-1261BWB-CE	BHT-1261BWB-CE (H) BHT-1281QULWB-CE		Windows Embedded CE 6.0

Supported OSs Windows 7 (64bit, 32bit), Windows 10 (64bit, 32bit)

Model equipped with a numeric keypad to increase one-handed operability. BHT-1700 SERIES

				2D code	e model		2D code long model	Barcode model			
			Wireless LAN Wireless LAN + Wireless WAN				Wireless LAN	Wireless LAN			
Model		BHT-1700QWB-1	BHT-1700QWB-2	BHT-1700QWBG-1	BHT-1700QWBG-2	BHT-1700QLWB-P	BHT-1700BWB-1				
OS					Andro	id™7.1.2					
CPU			1.3GHz Quad-core								
N.4	RAM				2	GB					
Memory	Flash ROM				16	GB					
	Number of	dots*1	4.0-inch WVGA (480 x 800 pixels)								
Display	Display sys	stem	Liquid crystal dot matrix display (color)								
	Backlight				White	e LED					
Scanner	Reading sy	vstem	Area sensor			Autofocus area sensor	Advanced Scan Plus (CCD)				
	Readable codes	2D codes	QR code®, micro-QR code, SQRC®, iQR code, PDF417, Micro-PDF417, MaxiCode, DataMatrix (ECC200), GS1 Composite			QR code®, PDF417, Micro-PDF417, MaxiCode, DataMatrix (ECC200), GS1 Composite	_				
		Barcodes	EAN-13/8 (JAN-13/8) , UPC-A/E, UPC/EAN(with add-on), Interleaved 2 of Codabar (NW-7) , CODE39, CODE93, CODE128, GS1-128(EAN-12								
	Minimum	2D codes	0.167 mm			0.25 mm	_				
	resolution Barcodes		0.125 mm			0.15 mm	0.125 mm				
	Marker		Area guide marker Point ma				Point marker	_			
	Scan confirmation		Blue LED, speaker, vibrator								
Keypad		Number of keys		31 keys*10+3			31 keys*10+4 trigger keys	31 keys*10+3 trigger keys			
Touch sc	ouch screen Dragontrail® F										
		Compatible standards	IEEE 802.11 a/b/g/n-compliant								
	Wireless	Frequency band	IEEE 802.11 a/n: 5.2 GHz, 5.3 GHz, 5.6 GHz band, IEEE 802.11 b/g/n 2.4 GH								
	LAN*2	Transmission distance*3	IEEE 802.11 a: indoors = approx. 50 m, IEEE 802.11 b/g/n: indoors = approx. 75 m, outdoors = approx. 200 m								
Network	115 1 11/41	Security	Encryption:WEP(40/128)/TKIP/AES WPA authentication:WPA/WPA2 User				er authentication:PSK/EAP-TLS/PEAP				
	Wireless WAN compatible standards		-	_	4G LTE/3G/GSM, VoLTE A-GPS/GLONASS			_			
	GPS Bluetooth®		Physics of the Physic	/ F/Compatible Drefile CA			 N/A2DP/AVRCP/GAVDP/HID/PBAP/HOGP/MAP/GATT)				
	Memory		Bluetooti1*ver4.1TEDN	LE (Compalible Fronte.GA			INVASO AVITO AAVDI TIIDII DAI TIIOGI TIIIAI TAAT I				
Card slot	SIM		_	_	Micro SDHC/SDXC(~128GB) Nano SIM ×2		<u> </u>				
Mic•Rece			_		Yes	— —					
	Main batter	у		ı		ithium-ion battery					
Power supply	Operating	Standard battery	28 ho	urs*5	26 hours*6		30 hours *5	34 hours*5			
Supply	time *4	High-capacity battery	42 ho	urs*5	39 h	ours*6	45 hours *5	51 hours*5			
NFC *9			_	ISO14443A & B, FeliCa, ISO15693	_	ISO14443A & B, FeliCa, ISO15693	_	_			
Camera			_	8MP autofocus	_	8MP autofocus	-	_			
Environmental requirements	Operating temperature *7		−20~50°C								
	Operating humidity		20 to 80% RH (without dews)								
	Protection rating *8		IP67								
	Drop resistance*8		1.5 m × 60 times or more above concrete floor, 2.5 m			1.2 m × 60 times or more above concrete floor, 2 m	1.5 m × 60 times or more above concrete floor, 2.5 m				
Weight (incl. battery)				Appro	x.308 g		Approx.438 g	Approx.298 g			

*1 Although the effective number of picture elements accounts for at least 99.9% of the total thanks to high-precision technologies used to manufacture LCDs, please note that there might be some elements, though below 0.01%, that are missing or permanently turned on. *2 IEEE 802. 11 a: 5.2 GHz (W52) and 5.3 GHz (W53) are for indoor use only. *3 The communication distance shown are reference values, and may vary depending on the actual environmental conditions. *4 The described operating time is a reference value at room temperature and may vary depending on actual use conditions. *5 Scanning to wireless communication to screen update to standby = 1:51:60. The vibrator and buzzer are disabled. The wireless function is always enabled, and all other functions are disabled. *6 Scanning to scan update to standby = 1:30:270. Data is transmitted via a wireless WAN while the screen is displayed. *7 Zero to 40 degrees Celsius when batteries are being recharged. *8 Results obtained in a test done by DENSO WAVE at room temperature. They are not meant to be guaranteed values. *9 The NFC function needs to be well tested for readability by using the card that you will actually use. *10 Including the power key



long model) • Stylus pen • Operation guide

*1.Unusable for the 2D long model

*Battery is not supplied with the product

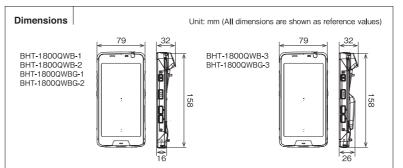
- Communication unit:
- CU-BU1-17(USB),CU-BL1-17(Ethernet)
- 4-slot battery charger: CH-1104
- 4-slot unit charger: CH-B4-17 ■ Soft case: SCBHT-1700*2
- Waist case: WHBHT-1100/1200*2
- WHBHT-17000QL (For the 2D code long model)
- Shoulder belt: SBBHT-700*2
- USB direct cable: CBBHT-US2000/C17-4A
- BT-110LA (Standard battery only)
- BT-170LA-C (Standard battery + battery cover) ■ BT-110L (High-capacity battery only)
- BT-170L-C (High-capacity battery + battery cover)
 - *2.For the barcode model and the 2D code model

Smartphone-type model equipped with a 5.0-inch large screen along with a front camera. BHT-1800 SERIES



			2D code model						
Model		Wireless LAN			Wire	eless LAN + Wireless V	WAN		
			BHT-1800QWB-1	BHT-1800QWB-2	BHT-1800QWB-3	BHT-1800QWBG-1	BHT-1800QWBG-2	BHT-1800QWBG-3	
os					Androi	d™7.1.2			
CPU					1.3GHz (Quad-core			
Memory	RAM		2 GB						
Memory	Flash ROM		16 GB						
	Number of dots *1		5.0-inch HD (720 x 1280 pixels)						
Display	Display system		Liquid crystal dot matrix display (color)						
	Backlight					te LED			
	Reading sy	/stem			Area	sensor			
Scanner	Readable codes	2D codes	QR code [®] , micro	QR code®, micro-QR code, SQRC®, iQR code, PDF417, Micro-PDF417, MaxiCode, DataMatrix (ECC200), GS1 Compo					
	00000	Barcodes		EAN-13/8 (JAN-13/8), UPC-A/E, UPC/EAN (with add-on), Interleaved 2 of 5 (ITF), Standard 2 of 5 (STF), Codabar (NW-7), CODE39, CODE38, GS1-128 (EAN-128), GS1 DataBar (RSS)					
	Minimum	2D codes	0.167 mm						
	resolution	Barcodes	0.125 mm						
	Marker		Area guide marker						
	Scan confi	rmation		Blue LED, speaker, vibrator					
Keypad		Number of keys	5 keys (Including the power key) + 2 trigger keys						
Fouch sc	reen		Dragontrail® PRO						
		Compatible standards	IEEE 802.11 a/b/g/n-compliant						
	Wireless	Frequency band		IEEE 802.11 a/n:	5.2 GHz, 5.3 GHz, 5.6	GHz band, IEEE 802.	11 b/g/n 2.4 GHz band		
	LAN*2	Transmission distance *3					ox. 75 m, outdoors = ap		
Network	Security		Encryption:WEP(40/128)/TKIP/AES WPA authentication:WPA/WPA2 User authentication:PSK/EAP-TLS/PEAP						
	Wireless WAN compatible standards		— 4G LTE/3G/GSM, VoLTE						
	GPS		— A-GPS/GLONASS						
	Bluetooth®	B 	Bluetooth®Ver4.1+EDR/LE(Compatible Profile:GAP/SDAP/HSP/SPP/GOEP/OPP/HFP(AG1.5)/PAN/A2DP/AVRCP/GAVDP/HID/PBAP/HOGP/MAP/GATT)						
Mic · Receiver			_		M: 00110/0	Yes			
Card slot	Memory		Micro SDHC/SDXC(~128GB)						
	SIM				l ithic come	ion hotton.	Nano SIM ×2		
Power	Main battery				Yes	on battery	_	Yes	
supply	Wireless charging Operating time*4		_		res			res	
VFC*9	Operating tir	ne**	_	24 hours*5	ISO14443A & B, FeliCa, ISO15693		12 hours *6	ISO14443A & B, FeliCa, ISO156	
4LC.2	Rear				1 1	utofocus		1001-1110/ (X D,1 01104,100100	
Camera			_			lutorocus		MD	
	Front Operating temperature *7								
	Operating temperature */		20 to 80% RH (without dews)						
			20 to 80% RH (without dews) IP67						
	Drop resist		1.5 m × 60 times or more above concrete floor, 2.5 m						
Veight (incl. battery)					約275 g				
weignt (II	nor. ballery)				ポソ 2	-10 g			

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- Communication unit: CU-BU1-18(USB),CU-BL1-18(Ethernet)
- 4-slot battery charger: CH-1804 ■ 4-slot unit charger: CH-B4-18
- Waist case: WHBHT-1600
- Hand belt: HBBHT-1800
- Stylus pen: PNBHT-1700 ■ USB direct cable: CBBHT-US2000/C18-4A

Software

BHT-1700/1800 Series Software Development Kit for Android (SDK) *Only customers who have bought a device in the series can download the software at the website free of charge.

Peripheral software

BHT Device Management System (DMS)*

*Software available with the payment of a fee. A license fee is separately charged.

Pre-installed software

Touch Trigger : Scan button that can be repositioned on the screen Scan Settings : Code setting/reading software (with keyboard interface)

OCR reader *1 : Character reading software

Code reader "Q" *2 : SQRC and frame QR reading software

BHT-Browser for Android: Operational browser for BHT devices Application launcher : Software to manage the permission/prohibition of the startup of various applications

BHT-DMS client *1 : BHT management and operation support tool

Wlan Manager : Wireless LAN setting software with which site surveys are possible

*1.Software available with the payment of a fee. A license fee is separately charged.

*2.Only model with came

