

DENSO
DENSO WAVE

HANDHELD TERMINAL
BHT-1700
SERIES



Maximise your
standards.



Maximises your options: the BHT-1700 with 4" mega display.

At DENSO, progress starts by asking questions:

How big can the display of a terminal with keyboard really be?

The answer is the new maximum from DENSO: the BHT-1700 Android handheld with 4" mega display. To maximise your options, it combines two worlds. Scan using its extra-large touchscreen, control apps or make phone calls. Or use the keyboard to ergonomically register or order goods.

In future, the choice is yours. So why make compromises?

The quality of the BHT-1700 is uncompromising anyway.

Typical DENSO.



Original size

BIGGER:

4" mega display puts it at the maximum limit for a terminal with keyboard.



MORE ERGONOMIC:

Natural hand position thanks to the angled scan head – display always in view.



FASTER:

Shorter scanning times with individually configurable, side-mounted, quick-access magic keys for frequent functions.



TOUGHER:

Display with crack-resistant Asahi Dragontrail™ Pro glass – one of the best in the industry.



MORE UP-TO-DATE:

Running Android 7.1.2 (Nougat).



Reduces your processes to a minimum: the application areas.

There are six models to choose from.

Each configured to speed up your processes to the max – from the receipt of goods to inventory. The big display shows you all important data at a glance – for greater transparency and shorter response times. Handling is massively simplified. The range of applications is wide-ranging.

These are just a few examples of its wide range of applications.

ENERGISE YOUR WAREHOUSE MANAGEMENT

Supply management and order picking in large warehouses via wireless LAN/4G LTE*.

OPTIMISE YOUR PRODUCTION

Track production data on the extra-large display and update via the keyboard.

ACCELERATE RACK MANAGEMENT

View large volumes of items and large orders on the display and forward them using a magic key.

Great in every detail: the technical highlights.

It's the multitude of features and refinements that makes the BHT-1700 the new dimension for your business.

The technical details:



Reads 1D and 2D codes
and NFC cards*

from 35 mm – even if codes are damaged.
OCR is also supported*.



Full connectivity

wireless LAN, 4G LTE
and VoLTE, USB 2.0,
Bluetooth 4.1 EDR/LE.*

Long Range
function with
GunGrip

enables non-
stop scan-
ning from a
distance of
up to 10 m*.


10
metres



GPS (A-GPS/GLONASS)

for faster localization and tracking.

App blocker

allows access to
enterprise-relevant
applications only.



8 MP rear camera with autofocus

e.g. for documenting
damaged deliveries.*

Separate
CPU

for non-stop scanning
even when the central
processor is running
at full capacity.



Smarter communication

on the phone, online, using apps,
sending text messages, taking photos
and much more.*



2

nano-
SIM
slots

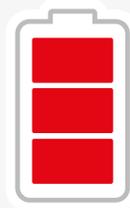
one card for data
communication, one
for telephoning.*

Quite simply DENSO quality. After all, you deserve better.

The BHT-1700 has passed all DENSO endurance tests and stands for quality beyond the norm. And we don't just claim this, we guarantee it.



warranty



Battery life

perfect for long working hours.



Works at extreme temperatures from **-20° to +50° Celsius.**

2.50 metres

Survived umpteen fall tests from heights of up to 2.5 m.

Touchscreen easy to use

with wet fingers, gloves or a pen.



Ultra-lightweight:

only 298 g (1D model); max. 438 g (Long Range model).



IP67-certified

protection against water and dust.

FIND THE SIZE THAT SUITS YOU: six models to choose from.

What challenge can the BHT-1700 help you with?

The variety of models ranges from the entry-level version with all the key functions to the high-end product with the complete functional spectrum from autofocus camera to GunGrip.

Type	1D	2D	Long Range (GunGrip)	LTE	Camera rear	NFC
BHT-1700QWBG-1-A7 (Standard)	✓	✓		✓		
BHT-1700QWBG-2-A7 (Optional)	✓	✓		✓	✓	✓
BHT-1700QWB-1-A7 (Standard)	✓	✓				
BHT-1700QWB-2-A7 (Optional)	✓	✓			✓	✓
BHT-1700BWB-1-A7 (Standard)	✓					
BHT-1700QLWB-P-A7 (Standard)	✓	✓	✓			

BHT-1700 SERIES

Model		BHT-1700 QWBG-1	BHT-1700 QWBG-2	BHT-1700 QWB-1	BHT-1700 QWB-2	BHT-1700 QLWB-P	BHT-1700 BWB-1	
OS		Android 7.1.2 (Nougat) / Android 8.1 (Oreo)**						
CPU		1.3 GHz Quad-core						
Memory	RAM	2 GB						
	Flash ROM	16 GB						
Display	Number of dots*1	4.0 inch WVGA (480x800 pixels)						
	Display system	Liquid crystal dot matrix display (colour)						
	Backlight	White LED						
Scanner	Reading system	Area sensor				Autofocus-area sensor	Advanced Scan Plus (CCD)	
	Readable codes	2D codes	QR Code, PDF417, MicroPDF417, MaxiCode, DataMatrix (ECC200), GS1 Composite, MicroQR Code, SQRC®				-	-
		1D codes	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, CODE93, CODE128, GS1-128 (EAN-128), GS1 DataBar (RSS)				-	-
	Minimum resolution	2D codes	0.167 mm		0.25 mm	-		
		1D codes	0.125 mm		0.15 mm	0.125 mm		
	Scanning reference position	100 mm						
	Marker	Area guide marker				-		
	Scan confirmation	Visual (blue LED), acoustic (speaker), and haptic (vibration)						
Keypad	Number of keys	31 keys (including power key)						
		+ 3 trigger keys			+ 4 trigger keys		+ 3 trigger keys	
Touch panel		Asahi Dragontrail™ Pro - wet touch / gloved fingertip / stylus						
GPS		A-GPS/GLONASS						
Communication	Wireless LAN*2	Compatible standards	IEEE802.11a/b/g/n compliant					
		Frequency band	IEEE802.11a/n: 5.2 GHz, 5.3 GHz, 5.6 GHz band, IEEE802.11b/g/n: 2.4 GHz band					
		Transmission distance*3	IEEE802.11a: indoors = approx.50m, IEEE802.11b/g/n: indoors = approx.75m, outdoors = approx.200m					
		Transmission speed*3	IEEE802.11b: 11/5.5/2/1 Mbps, IEEE802.11a/g: 54/48/36/24/18/12/9/6 Mbps, IEEE802.11n: 65/58.5/52/39/26/19.5/13/6.5 Mbps					
		Access method	Infrastructure mode					
	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		-			
Bluetooth®		V4.1+EDR/LE (Compatible Profile:GAP/SDAP/HSP/SPP/GOEP/OPP/HFP(AG1.5)/PAN/A2DP/AVRCP/GAVDP/HID/PBAP/HOGP/MAP/GATT)						
USB (DNWA Connector)		USB 2.0						
Card slot	Micro SDHC / SDXC, nanoSIM x2		Micro SDHC / SDXC					
	Power supply		Lithium-ion battery 2300 mAh (BT-110LA) / 3450 mAh (BT-110L)					
Operating time*4	Standard battery	12 hours*5		22 hours*6	20 hours*6	22 hours*6		
		High capacity battery	18 hours*5		33 hours*6	30 hours*6	33 hours*6	
NFC			-	yes	-	yes	-	
Camera (Autofocus)		-	Rear: 8MP	-	Rear: 8MP	-		
Environmental requirements	Operating temperature*7	-20° to 50° C						
	Protection rating	IP67						
	Drop resistance*8	1.5 m x 60 times or more, 2.5 m			1.2 m x 60 times or more, 2 m	1.5 m x 60 times or more, 2.5 m		
Weight (incl. standard battery)		Approx. 308 g			Approx. 438 g	Approx. 298 g		

*1: 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. *2: IEEE802.11a:5.2 GHz (W52) and 5.3 GHz (W53) are for indoor use only. *3: The communication distance and transmission speed shown are reference values, and may vary depending on the actual environmental conditions. *4: The described operating time is a reference figure under regular temperatures and may vary depending on usage conditions. *5: Scanning: scan update: standby = 1:30:270. Data is transmitted via wireless WAN during scan display. *6: Scanning: wireless communication: screen update: standby = 1:51:60. The vibrator and buzzer are disabled. The wireless function is always enabled, and all other functions are disabled. *7: Zero to 40°C when batteries are being recharged. *8: Result obtained in a test under regular temperature is shown and not meant as a guarantee. *9: QWBG-2 + QLWB-P only

ACCESSORIES (separately sold)

Communication / Charger

- CU-BU1-17 (USB cradle incl. 1 slot unit-/ battery charger)
- CU-BL1-17 (LAN cradle incl. 1 slot unit-/ battery charger)
- CH-B4-17 (4 slot unit charger)
- CH-1104 (4 slot battery charger)
- CBBHT-US2000/C17-4A (USB Direct cable)

Batteries

- BT-170LA-C (Standard with cover)
- BT-170L-C (High-capacity with cover)
- BT-110LA (Standard)
- BT-110L (High-capacity)

Car Cradle

- CH-1771 (under development)

📄 Items with this mark are available from the DENSO WAVE website (QBdirect) free of charge.

COMPONENTS

- Main unit
- Hand belt (for normal grip)
- Hand strap (for GunGrip)
- Stylus pen
- Operator's guide 📄

SOFTWARE

Software (pre-installed)

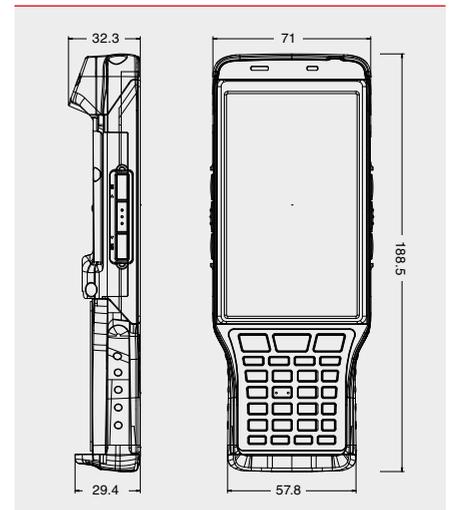
- Scanner configuration tool [Scanner Setting]
- Software trigger key [Touch Trigger]
- Application management tool [Application Launcher]
- HTML5 capable custom browser [Android Browser for BHT-1700]
- BHT setting tool [BhtShell]
- Wi-Fi setting and site survey [WlanManager]
- Device management software [BHT-DMS Client]*
- OCR scanning software [OCR reader]*
- QR Code/SQRC® scanning app [QR Code reader Q installer]

*Software available with payment of a fee. A license fee is separately charged for its use.

Development Tool

- Software Development Kit for Android (SDK) dedicated for the BHT-1700 series. 📄

DIMENSIONS



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TO USE THIS PRODUCT SAFELY

Before using this product, read its User's Manual thoroughly.

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