

DENSO

Member of the TOYOTA Group

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.



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.*



**ACCELERATE RACK
MANAGEMENT**

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



**OPTIMISE YOUR
PRODUCTION**

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

* depending on model



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



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).



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.

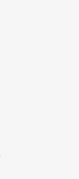
Great in every detail: the technical highlights.

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 30 mm – even if they're damaged. OCR is also supported.	 Full connectivity wireless LAN, 4G LTE and VoLTE, USB 2.0, Bluetooth 4.1 EDR/LTE*.	 Long Range function with GunGrip enables non-stop scanning from a distance of up to 10 m*.	 8 MP rear camera with autofocus e.g. for documenting damaged deliveries.	 GPS (A-GPS/GLONASS) for faster localization and tracking.	 App blocker allows access to enterprise-relevant applications only.	 GPS (A-GPS/GLONASS) for faster localization and tracking.
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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.

 Works at extreme temperatures from -20° to +50° Celsius.	 Battery life perfect for long working hours.	 2.50 metres Survived umpteen fall tests from heights of up to 2.5 m.	 IP67-certified protection against water and dust.
 Ultra-lightweight: only 298 g (1D model); max. 438 g (Long Range model).	 Touchscreen easy to use with wet fingers, gloves or a pen.	 10 metres enables non-stop scanning from a distance of up to 10 m*.	 10 metres enables non-stop scanning from a distance of up to 10 m*.

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.



one card for data communication, one for telephoning.



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



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



Supports Google Mobile Services.

BHT-1700 SERIES

Model	BHT-1700 QWBG-1-A7	BHT-1700 QWBG-2-A7	BHT-1700 QWB-1-A7	BHT-1700 QWB-2-A7	BHT-1700 QLWB-P-A7	BHT-1700 BWB-1-A7			
OS	Android 7.1.2 (Nougat)								
CPU	1.3 GHz Quad-core								
Memory	RAM	2 GB							
	Flash ROM	16 GB							
Display	Number of dots*	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			-			
		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			Cross guide marker	-			
	Scan confirmation	Visual (green 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: 11/5.2/1 Mbps, IEEE802.11a/g: 54/48/36/24/18/12/9/6 Mbps, IEEE802.11n: 65/58.5/52/39/26/19.5/13.6/5.5 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 and SDXC, microSIM x2								
Power supply	Power (standard / extended)	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 180 times, 2.5 m			1.2 m x 60 times, 2 m	1.5 m x 60 times, 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 = 1:5:1:60. 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.

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)

COMPONENTS

- Main unit
- Hand belt (for normal grip)
- Hand strap (for GunGrip)
- Stylus pen
- Operator's guide [HP](#)

SOFTWARE

Software (pre-installed)

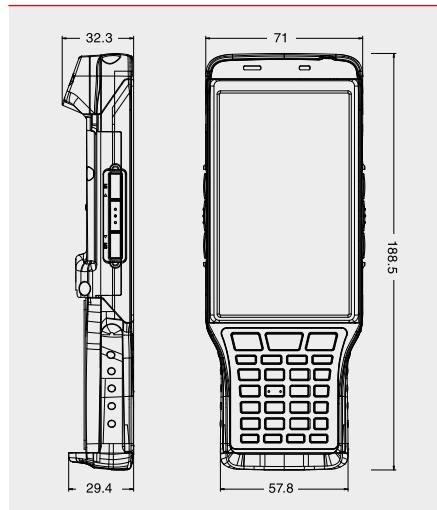
- Scanner configuration tool [Scanner Setting]
- Software trigger key [Touch Trigger]
- Application management tool [Application Launcher]
- HTML5 capable custom browser [Android Browser for BHT-1700]
- BHT setting tool [BhtShell]
- Wi-Fi setting and site survey [WlanManager]
- Device management software [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. [HP](#)

DIMENSIONS



DENSO



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and Supplies Ltd.

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