

DENSO

Member of the TOYOTA Group

HANDHELD TERMINAL

BHT-1800

SERIES

Scanning on
a grand scale.



A touchscreen computer that pushes the boundaries: the BHT-1800 with 5" superscreen.

Made for the big challenges:

the application areas.

The BHT-1800 demonstrates its capabilities especially where data has to be collected and processed in bulk. Its ergonomic concept, optimum view of the display and easy-to-use functions are perfect for speeding up reading processes. Its great robustness makes the BHT-1800 ideal for countless indoor and outdoor applications.



The BHT-1800 is the embodiment of a vision: to develop a touchscreen computer with a display that pushes the boundaries. The 5" superscreen means it packs DENSO's biggest ever display. As a result, the BHT-1800 offers even more space for state-of-the-art, high-volume scanning using smart mobile Android applications. The usability: child's play. The technology: high-performance. The quality: strictly DENSO. Our new superlative.

BIGGER:
5" superscreen – our new dimension in touchscreen computing.

MORE ERGONOMIC:
Angled scan head for a natural hand position, with the display always in view.

FASTER:
Thanks to side-mounted, individually configurable quick access magic keys and thumb-controllable virtual scan key.

TOUGHER:
Display with crack-resistant Asahi Dragontrail™ Pro glass fitted as standard – one of the best in the industry.

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

ORGANIZE LOGISTICS

Scan and locate your deliveries in real time using 4G LTE* and A-GPS – for tracking and tracing and improved route planning.

PROFESSIONALISE RETAIL

Whether it's for warehousing, ordering or sales management, collect data with precision – even if codes are damaged.

OPTIMISE FIELD SERVICE

Record the process status and progress immediately on site and communicate with head office whenever you need to – via wireless LAN and 4G LTE*.

MORE UP-TO-DATE:
Running Android 7.1.2 (Nougat).



* depending on model

Moving to the next dimension: the technical highlights.

Wherever better performance is demanded, technology has to progress.

The BHT-1800 makes advanced automatic ID technology the standard.



**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/LE*.



**Supports Google
Mobile Services.**



**8 MP rear camera
with autofocus**
e.g. for documenting
damaged deliveries.

App blocker

allows access to
enterprise-relevant
applications only.

Separate CPU

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



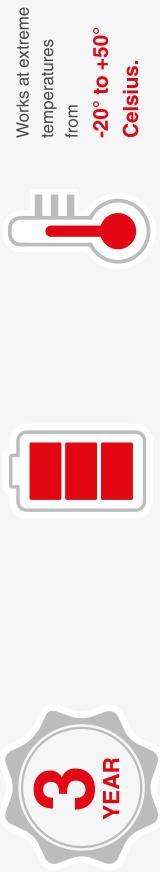
Smarter communication
On the phone, online, using apps,
sending text messages, taking photos
and much more.



GPS (A-GPS/GLO/ONASS)
for faster localization
and tracking.



**2 nano-SIM
slots**
one card for data
communication, one
for telephoning.



warranty

Battery life
perfect for long
working hours.



Ultra-lightweight:
only 275 g thanks to its
polycarbonate housing.



**Touchscreen
easy to use**
with wet fingers,
gloves or a pen.

**IP67-
certified**
protection against
water and dust.

**2.50
metres**
**Survived
umpteen
fall tests**
from a
height of up
to 2.5 m.

Type	1D	2D	LTE	Camera front	NFC	WL charge
BHT-1800QWBG-1-A7 (Standard)	✓	✓	✓	✓	✓	✓
BHT-1800QWBG-2-A7 (Optional)	✓	✓	✓	✓	✓	✓
BHT-1800QWBG-3-A7 (Optional)	✓	✓	✓	✓	✓	✓
BHT-1800QWBG-1-A7 (Standard)	✓	✓	✓	✓	✓	✓
BHT-1800QWBG-2-A7 (Optional)	✓	✓	✓	✓	✓	✓
BHT-1800QWBG-3-A7 (Optional)	✓	✓	✓	✓	✓	✓

MADE TO MEASURE FOR YOUR REQUIREMENTS.

Choose from six models.

The more you expect of the BHT-1800 touchscreen computer, the wider its performance capabilities become. Even the entry-level version offers you all the key functions: Asahi Dragon-trail™ Pro glass and magic keys as standard. For those with even more sophisticated requirements, there's the high-end model packing the complete set of functions, from NFC to front camera.

BHT-1800 SERIES

Type	BHT-1800 QWBG-1-A7	BHT-1800 QWBG-2-A7	BHT-1800 QWBG-3-A7	BHT-1800 QWB-1-A7	BHT-1800 QWB-2-A7	BHT-1800 QWB-3-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* ¹	5.0 inch HD (1280x720 pixels)										
	Display system	Liquid crystal dot matrix display (colour)										
	Backlight	White LED										
Scanner	Reading system	Area sensor										
	Readable codes	2D Codes	QR Code, MicroQR Code, SQRC®, 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									
		1D Codes	0.125 mm									
	Scanning reference position	100 mm										
	Marker	Area guide marker										
	Scan confirmation	Visual (green LED), acoustic (speaker), haptic (vibration)										
Keypad	Number of keys	5 keys (incl. power key) + 2 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/h: 5.2 GHz, 5.3 GHz, 5.6 GHz band, IEEE802.11b/g/n: 2.4 GHz band									
		Trans-mission distance* ³	IEEE802.11a: indoors = approx. 50m, IEEE802.11b/g/n: indoors = approx. 75m, outdoors = approx. 200m									
		Trans-mission 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									
	WWAN	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	Lithium-ion battery (2900 mAh)										
	Operating time* ⁴	12 hours* ⁵		24 hours* ⁶								
NFC	-		yes	-		yes						
Wireless charging	-		yes	-		yes						
Camera	Rear	8 MP Autofocus										
	Front	-	5 MP	-	5 MP							
Environmental requirements	Operating temperature* ⁷	-20° to 50° C										
	Protection rating	IP67										
	Drop resistance* ⁸	1.5 m x 180 times, 2.5 m										
Weight (incl. battery)	Approx. 275 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: 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-BU1-18 (USB cradle incl. 1 slot unit-/battery charger)
- CU-BL1-18 (LAN cradle incl. 1 slot unit-/battery charger)
- CH-B4-18 (4-slot unit charger)
- CH-1804 (4-slot battery charger)

- CBBHT-US2000/C18-4A (USB direct cable)

Batteries

- BT-180LA (standard)

Others

- PNBHT-1700 (stylus pen)
- HBBHT-1800 (hand belt)

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

COMPONENTS

- Main unit
- Lithium-ion battery BT-180LA with battery cover
- Hand strap
- Operator's guide 

SOFTWARE

Software (pre-installed)

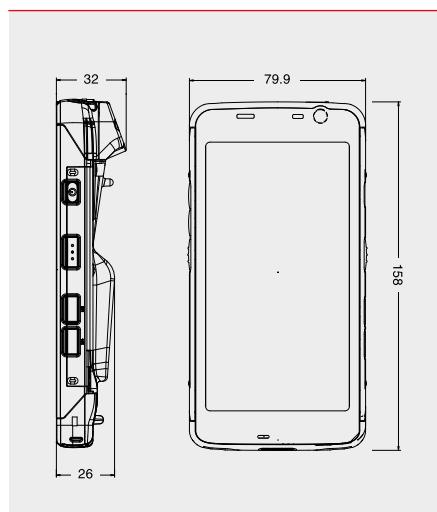
- Scanner configuration tool [Scanner Setting]
- Software trigger key [Touch Trigger]
- Application management tool [Application Launcher]
- HTML5 capable custom browser [Android Browser for BHT-1800]
- BHT setting tool [BhtShell]
- Wi-Fi setting and site survey [WlanManager]
- Device management software [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-1800 series. 

DIMENSIONS



DENSO



Computer Peripheral
and Supplies Ltd.

244 Soi Pattanakarn 53, Pattanakarn, Suanluang, Bangkok 10250 Thailand
Tel : (66) 0-2322-9535, 0-2722-4040 Fax : (66) 0-2322-7990
www.cps.co.th • www.facebook.com/cps.co.th