DENSO
||ADC
INVENTOR OF THE QR CODE®

3 YR WARRANTY *

Handheld Barcode Terminals
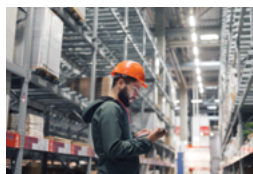## [BHT-1700]

android

RUGGED, HEAVY-DUTY DESIGN, ONE-HANDED OPERATION, ANGLED SCANNING

FEATURES & BENEFITS

- Rated IP67 for excellent protection from both water and dust
- Robust, impact-resistant construction
- Large 4.0 inch high-definition liquid crystal display
- Ergonomic design perfect for one-handed operation
- User-friendly operation using side-trigger keys and unique angled scanning
- Supports LTE, GPS and Google Mobile Services
- Long-range scanning up to 10 meters (QLWB-P-A7)
- 3-year warranty with registration

APPLICATION EXAMPLES

Warehouse
Delivery management and picking instructions can be received with LTE/WiFi.

Manufacturing
Process management, inventory registration, operations manuals are easily viewable.

Retail
Purchasing and stock order management data is easily displayed and fast order entry with the new larger keys.
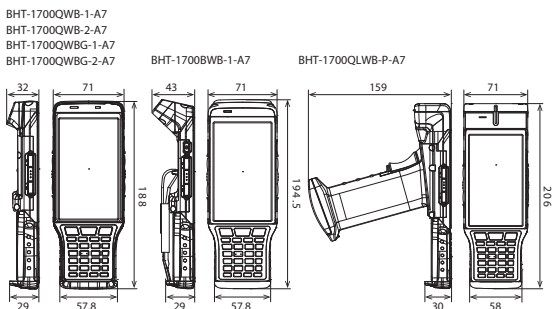
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TYPE		BHT-1700QWBG-1-A7	BHT-1700QWBG-2-A7	BHT-1700QWB-1-A7	BHT-1700QWB-2-A7	BHT-1700QLWB-P-A7	BHT-1700BWB-1-A7
OS		Android 7.1.2 (Nougat)					
CPU		1.3 GHz Quad-core					
MEMORY	RAM	2 GB					
	Flash ROM	16 GB					
	Card slot	Micro SDHC/SDXC					
DISPLAY	Number of dots[1]	4.0 inch WVGA (480 x 800 pixels)					
	Display system	Liquid crystal dot matrix display (color)					
	Back light	White LED					
SCANNER	Read system	Area sensor				Autofocus-area sensor	Advanced Scan Plus (CCD)
	Readable codes — 2D code	QR Code®, Micro QR Code, SQRC®, PDF417, MicroPDF417, MaxiCode, DataMatrix (ECC200), GS1 Composite				QR Code®, PDF417, MicroPDF417, MaxiCode, DataMatrix (ECC200), GS1 Composite	-
	Readable codes — 1D code	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)					
	Scanning reference position — 2D code	0.167 mm				0.25 mm	-
	Scanning reference position — 1D code	0.125 mm				0.15 mm	0.125 mm
	Marker	Area guide marker					-
	Scan confirmation	Blue LED, speaker, vibrator					
KEYPAD	Number of keys	31 keys (including power key) + 3 trigger keys				31 keys (including power key) + 4 trigger keys	31 keys (including power key) + 3 trigger keys
TOUCH SCREEN		Asahi Dragontrail Pro – wet touch / gloved fingertip / stylus					
GPS		A-GPS/GLONASS					
COMMUNICATION	W-LAN[2] — Compatible standards	IEEE802.11a/b/g/n compliant					
	W-LAN[2] — Frequency band	802.11a/n: 5.2 GHz, 5.3 GHz, 5.6 GHz band, 802.11b/g/n: 2.4 GHz band					
	W-LAN[2] — Transmission distance[3]	802.11a: indoors = approx. 50 m, / 802.11b/g/n: indoors = approx. 75m, outdoors = approx. 200 m					
	W-LAN[2] — Transmission speed[3]	802.11b:11/5.5/2/1 Mbps 802.11a/g:54/48/36/24/18/12/9/6 Mbps 802.11n:65/58.5/52/39/26/19.5/13/6.5 Mbps					
	W-LAN[2] — Access method	Infrastructure mode (Network)					
	W-LAN[2] — Security	Encryption: WEP (40/128) /TKIP/AES WPA authentication: WPA/WPA2 User authentication: PSK/EAP-TLS/PEAP					
	W-WAN — Compatible standards	4G LTE / 3G / GSM, VoLTE (Nano SIM x2)	-				
	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)					
MEMORY CARD SLOT		Nano SIM[2], Micro SDHC and SDXC					
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]
	Operating time[4] — High capacity battery	18 hours[5]		33 hours[6]		30 hours[6]	33 hours[6]
NFC		-	yes	-	yes	-	-
CAMERA (Autofocus)		-	Rear: 8 MP	-	Rear: 8 MP	-	-
ENVIRONMENTAL REQUIREMENTS	Operating temperature[7]	-20°C to 50°C / -4°F to 122°F					
	Protection rating	IP67					
	Drop resistance [8]	1.5 m x 60 or more times, up to 2.5 m				1.2 m x 60 or more times, 2 m	1.5m x 60 or more 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: IEEE 802.11a: 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 a 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.

Dimensions

Unit: mm (All dimensions are shown as reference values)

BHT-1700QWB-1-A7
BHT-1700QWB-2-A7
BHT-1700QWBG-1-A7
BHT-1700QWBG-2-A7

BHT-1700BWB-1-A7

BHT-1700QLWB-P-A7

COMPONENTS OF A SET

- Main unit
- Hand strap (only for 2D code long model)
- Operation guide
- Hand belt[1]
- Stylus pen

OPTIONS

- Comunication 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-1700*2
- Waist case: WHBHT-1700QL (For the 2D code long range)
- Shoulder belt: SBBHT-170*2
- USB direct cable: CBBHT-US2000/C17-4A
- BT-110LA (Standard battery only)
- BT-110LA-17-C (Standard battery + battery cover)
- BT-110L (High-capacity battery only)
- BT-110L-17-C (High-capacity battery + battery cover)

*2 For the barcode model and the 2D code model

DEVELOPMENT TOOL

- Software development kit for Android (SDK)*

* Can be downloaded free of charge from www.denso-adc.com

SOFTWARE PRE-INSTALLED

- Scanner configuration tool - Scan Settings
- Software trigger key - Touch Trigger
- Optical Character Reading software - OCR reader
- SQRC/QR Code scanning software - Q Reader
- HTML5 web browser for Android - BHT-Browser
- Application management tool - Application launcher
- DENSO Device Management Systems - BHT-DMS client
- Wireless LAN setting and site survey utilities - WLAN Manager
- BHT Settings tool - BHT-Shell

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Product specifications are subject to change without notice.