



BHT-400 Series
Taking mobility to the highest level

BHT-400 Series — the mobile data manager designed for the retail supply chain

The bar code terminal series raises the bar in terms of mobility, capability and user-friendliness. More specifically, the BHT-400 is available as a batch- or radio-terminal for Wireless LAN (IEEE802.11 b/g). The devices may be connected to a PC, portable printer, modem or access point via Bluetooth® Version 1.2. The high speed processor (520 MHz) guarantees fast processing. Thanks to the operating system platform (Windows® CE 5.0), the application software can be customized to individual industry needs.



User-friendly thanks to ergonomic design and generously-sized keyboard

Scanning

High scanning performance

- Optimal detection (even poorly legible bar codes)
- Equipped with advanced CCD scanning system

Transmission

Optional

- Bluetooth® Version 1.2
- WLAN (IEEE 802.11 b/g)
- GPRS

Display

Large display

- Data easy to read regardless of the lighting conditions
- QVGA-Display (240 x 320 pixels)
- 65,000 colors (TFT) with touch screen



Technical Data

Controller	
CPU	
Memory	
Display	
Resolution	
Display device	
Back light	
Scanner	
System	
Scanning area	
Scanning head	
Scanable codes	
Resolution	
Scanning confirmation	
Keypad	
Number of keys	
Card slot	
Communications	
Infrared interface	Standard
	Speed
	Range
Wireless interface	Standard
	Frequency
	Range
	Speed
	Security
	Authentication
GPRS	
Bluetooth®	
Cable interface	
Power supply	
Main battery	
Operating hours ⁽²⁾	
Environmental requirement	
Operating temperature	
Splash water/dust proof	
Shock resistance	
Operating humidity	
Operating ambient illumination	
Weight	

Performance and quality

Functions for greater flexibility

- In addition to the standard numeric keypad, central and peripheral trigger buttons start the scanning process.
- Comfortable for right- and left-handers
- Gun Grip version
- 2 Keyboard Layouts

High memory capacity for safe data acquisition

- 64 MB RAM memory
- 64 MB ROM memory

Operating system platform

- Windows® CE 5.0
- Extensive software package makes it easy to develop new applications

Signals for reliable scan acknowledgment

- In addition to LED (blue/red/green), the device has an integrated beeper and vibration signal. This ensures that successful scanning operations will be reliably acknowledged even in a loud environment or outdoors.

CCD technology (Charged Coupled Device)

- No moving parts
- Exceptionally robust interior

Long operating hours

- Up to 30 hours

Light, compact and robust casing

- Impact resistant
- Water resistant
- Soil resistant
- IP54-rated
- Weighs only 360 grams
- Compact: Approx. 224 x 77 x 53 mm



Superior ID-Technology



BHT-420B-CE	BHT-420BB-CE	BHT-420BW-CE	BHT-460BW-CE	BHT-470BW-CE	BHT-480BW-CE	BHT-420BWB-CE	BHT-420BG-CE	BHT-420BWBG-CE
PXA 270 (520 MHz)								
RAM: 64 MB (User area: 32 MB), Flash memory: 64 MB (User area: 30 MB)								
240 x 320 (QVGA)								
Liquid crystal dot matrix								
LED								
Advanced CCD Scanning								
max 620 mm ⁽¹⁾								
angled		straight		angled		straight		angled
EAN-13/-8 (JAN-13/-8), UPC-A/-E, UPC/EAN with add-on codes, Interleaved 2 of 5, CODABAR (NW-7), CODE39, CODE93, CODE128 (EAN-128), Standard 2 of 5, MSI Code								
0.125 mm								
3-color LED (red, blue, green), buzzer, vibrator								
31 keys (numeric) + 2 trigger keys			50 keys (Full alpha) + 2 trigger keys		50 keys (Full alpha) + 3 trigger keys		31 keys (numeric) + 2 trigger keys	
Compact Flash							-	
Infrared (IrDA 1.2 compliant)								
115.2 kbit/s								
Approx. 15 cm								
-		IEEE802.11b/g				-		IEEE802.11b/g
-		2.4 GHz				-		2.4 GHz
-		Indoor: approx. 75 m, outdoor: approx. 150 m				-		Indoor: approx. 75 m, outdoor: approx. 150 m
-		54 Mbit/s max				-		54 Mbit/s max
-		WPA				-		WPA
-		EAP-TLS, PEAP				-		EAP-TLS, PEAP
-		-				-		Quad Band GPRS Class 10
-	Bluetooth® Ver. 1.2 Compliant Class 2		-			Bluetooth® Ver. 1.2 Compliant Class 2		-
-		-				-		Bluetooth® Ver. 1.2 Compliant Class 2
RS232C (115.2 kbit/s max), USB 1.1								
Lithium-ion battery			High capacity Lithium-ion battery		Lithium-ion battery		High capacity Lithium-ion battery	
Approx. 15 hours			Approx. 30 hours		Approx. 15 hours		Approx. 30 hours	
Lithium-ion battery								
Approx. 15 hours								
-20 °C ~ 50 °C ⁽³⁾								
IP54								
1.20 m (30 times on concrete floor) ⁽³⁾								
20 ~ 80% RF (no condensation, no frost)								
20 ~ 10,000 lx								
approx. 360 g			approx. 380 g		approx. 360 g		approx. 530 g	
approx. 360 g			approx. 360 g		approx. 360 g		approx. 400 g	

(1): Narrow bar width: 1 mm or over, peripheral min 500 lux

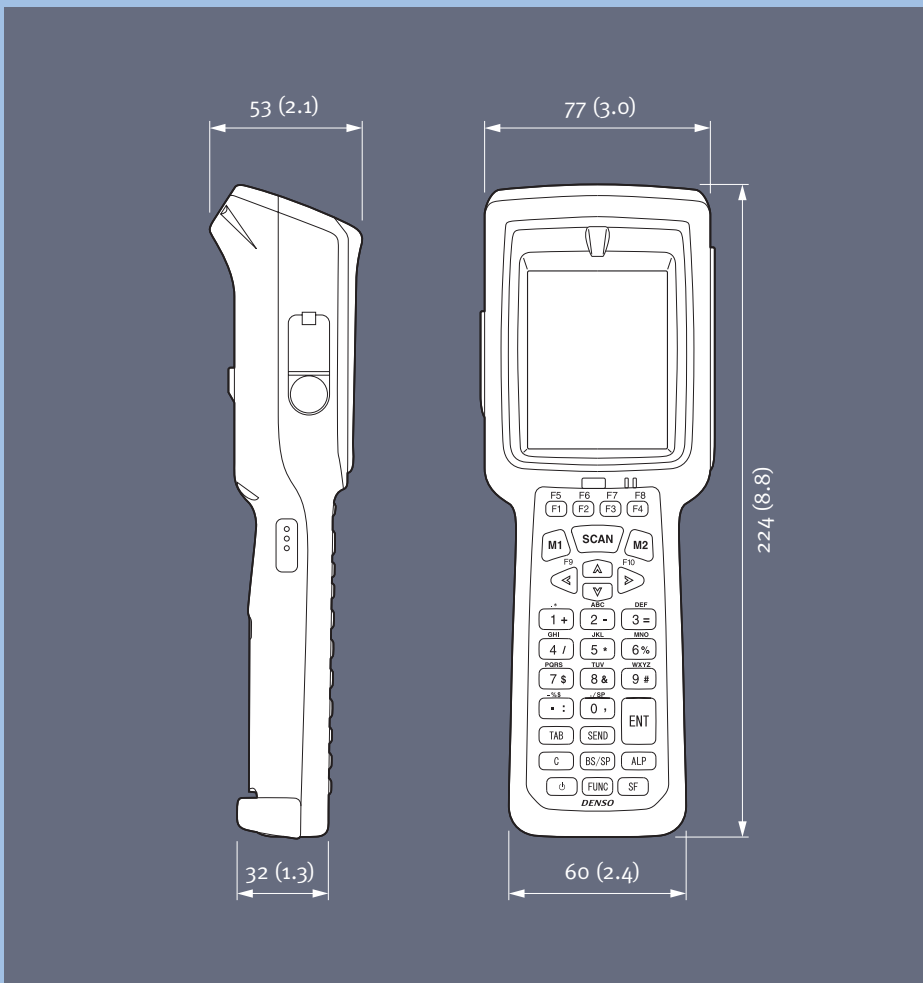
(2): When reading twice in a 10 seconds and not using the wireless interface

(3): Test value; not guaranteed

BHT-400



Dimensions in mm (inch)



Accessories

- Lithium-ion battery BT-20L
- Stylus
- Hand strap

Optional Accessories (not supplied)

- Communication unit (USB 1.1 interface)
- Cradle (Charging only)
- Lithium-ion battery charger CH-201
- Holster
- Leather Case
- Soft Case



Toyota Tsusho ID Systems GmbH

Immermannstraße 65 B, 40210 Düsseldorf, Germany

Phone +49 211 88252-0 · Fax +49 211 88252-502

info@ttid-systems.com · www.ttid-systems.com

Note

Carefully read the user manual before using the device. Specifications are subject to change without notice. Information current as of March 2009.

Company Stamp