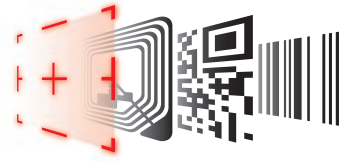


DENSO

Member of the TOYOTA Group

Superior ID-Technology



Automatic Data Capture Solutions



BHT-400 Series

Taking mobility to the highest level

BHT-400 Series – The mobile data manager designed for the retail supply chain.

The new barcode 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 latest 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 barcodes)
- 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

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



Technical Data

Controller	CPU	
	Memory	
Display	Resolution	
	Display device	
	Back light	
Scanner	System	
	Scanning area	
	Scanable codes	
	Resolution	
	Scanning confirmation	
Keypad	Number of keys	
Card slot		
Communications	Infrared interface	Standard
		Speed Range
	Wireless interface	Standard
		Frequency Range
		Modulation
		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		

(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

(3): Test value; not guaranteed



Latest 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), the device has an integrated beeper and vibration signal. This ensures that successful scanning opera-

tions 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 78 x 53 mm

BHT-400

BHT-420B-CE	BHT-420BB-CE	BHT-420BW-CE	BHT-420BWB-CE	BHT-420BG-CE	BHT-420BWBG-CE	BHT-470BW-CE	BHT-480BW-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⁾							
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
Compact Flash				-		Compact Flash	
Infrared (IrDA 1.2-compliant)							
115.2 Kbit/s max.							
ca. 15 cm							
-	IEEE802.11b/g			-	IEEE802.11b/g		
-	2.4 GHz			-	2.4 GHz		
-	Indoor: ca. 75 m, Outdoor: ca. 150 m			-	Indoor: ca. 75 m, Outdoor: ca. 150 m		
-	OFDM, DS-SS			-	OFDM, DS-SS		
-	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							
15 hours						30 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							
ca. 360 g				ca. 400 g		ca. 360 g	
						ca. 530 g	

Note

Carefully read the user manual before using the device. Specifications are subject to change without notice.
Information current as of January 2007.

Accessories

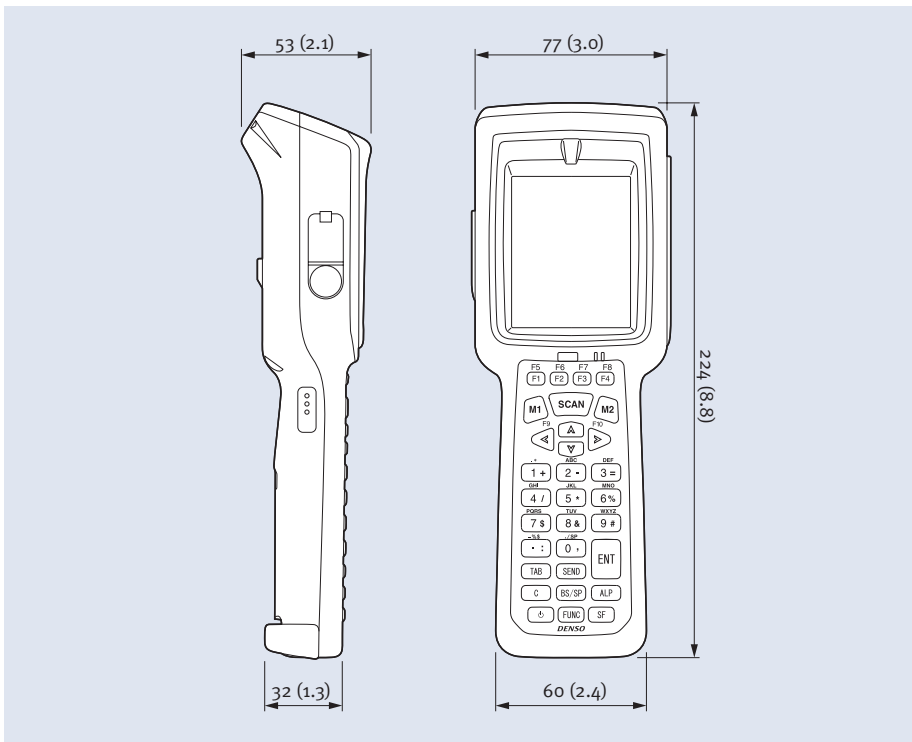
- Stylus
- Battery
- Hand strap

Optional Accessories (not supplied)

- Communication unit (USB 1.1 interface)
- Cradle (Charging only)
- Lithium-ion battery charger CH-201
- Lithium-ion battery BT-20L



Dimensions in mm (inch)



Company Stamp