

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.

Scanning

High scanning performance

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



Transmission

Optional

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

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

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

High memory capacity for safe data acquisition

- Standard 64 MB RAM/64 MB ROM

Latest operating system platform

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

BHT-400

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





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 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 15 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

Technical Data

	BHT-420B-CE	BHT-420BB-CE	BHT-420BW-CE	BHT-420BWB-CE
Controller				
CPU		PXA 270 (520 Mhz)		
Memory		RAM: 64 MB Flash ROM: 64 MB User area 32 MB		
Display				
Resolution		240 x 320 (QVGA)		
Display Device		Liquid crystal dot matrix		
Back Light		LED		
Scanner				
System		Advanced CCD Scanning		
Scanning- Area		TBA		
Scanable Codes	EAN -13/-8, UPC/EAN (with add-on codes), CODABAR (NW-7), CODE 93, Interleaved 2 of 5, CODE 128 (EAN-128), STF, MSI			
Resolution		TBA		
Scanning Confirmation		2-color LED (red and blue), buzzer, vibrator		
Keypad				
Number of Keys		31 keys (numeric keyboard) + 2 Trigger keys		
Card Slot		Compact Flash Slot		
Communications				
Infrared I/F	Standard	Infra-red (IrDA 1.2 compliant)		
	Speed	115.2 kbps		
	Range	Approx. 0.15 m		
Wireless I/F	Standard	–		IEEE802.11b/g
	Frequency	–		2.4 Ghz
	Range	–		TBA
	Modulation	–		OFDM, DSS
	Speed	–		54 Mbps Max
	Security	–		WPA
				EAP-TLS, PEAP
Bluetooth	–	Bluetooth® Ver. 1.2 Compliant Class 2	–	Bluetooth® Ver. 1.2 Compliant Class 2
Cable I/F		RS 232C (115.2 Kbps Max), USB 1.1 (Mini-B)		
Power Supply				
Main Battery		Lithium-ion battery cartridge		
Environment Requirement				
Operating Temp.		–10 °C to 50 °C		
Water/Dust proof		IP 54		
Shock Resistance		1.2 m (30 times on concrete floor)		
Weight				
	Approx. 345 g	TBA	Approx. 360 g	TBA

Note

Read the user manual carefully before operating the device. Technical data may change at any time and without prior notice.
Status of data: August 2005.

Accessories

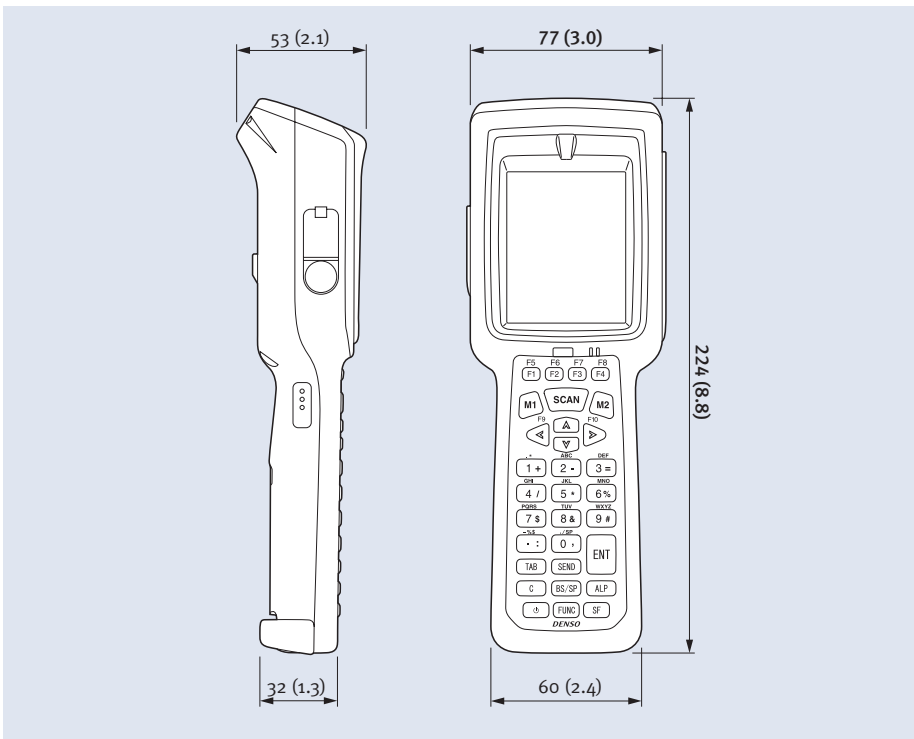
- Stylus
- Battery
- Hand strap

Optional accessories (not included in scope of delivery)

- Communication unit
 - RS232
 - USB
 - LAN
- Charging station



Dimensions in mm (inch)



Company Stamp