

ITID

TOYOTA TSUSHO ID SYSTEMS



**EASY DATA
COLLECTION
AT MAXIMUM
SPEED**



HANDHELD TERMINAL

BHT-800

SERIES



1D Barcode model
BHT-805B
BHT-805BW
BHT-805BB



2D Code model
BHT-825Q
BHT-825QW
BHT-825QB

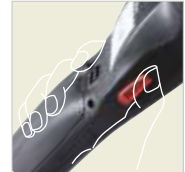
DENSO OS

Unique scan technology for excellent performance.

User friendly

Designed with a stable grip and for ease of operation.

Curved design to easily line up scanning target. Concave shape to prevent fingers from shaking while holding the unit. Non-slip grip on both sides to prevent slipping. Reverse side shaped comfortably for a stable grip. Easy-to-read and highly durable keys.



Touch Scan

Easily scans order books or small shelf codes which are difficult to target.



Speaker/Vibration

Vibration and sound alerts notifying end of task or error. Supports WAV files to designate sound of choice.



Large and easy to read QVGA color display

Corporate logos or product images can also be displayed. Scalable font size expands freedom in screen design. Greyscale font smoothing allows clear display of complicated characters. (24-dot, 10 characters x 13 lines display)

Scan performance

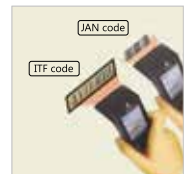
Fastest label scanning in the industry with newly developed 2D engine

Multiple codes can be quickly scanned, reducing work time. Speed is increased by approximately 20% when scanning QR codes, and 70% in the compatibility mode of both QR codes and barcodes. (Compared to BHT-805Q.)



Wide scan visibility

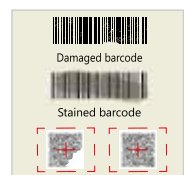
Scans barcodes with different widths such as ITF, JAN at the same scan distance.



Degraded code scanning possible*

Easily reads rubbed, peeled, or poorly printed codes.

*Depending on deterioration state.



Reads wide barcodes

Barcode model and the 2-dimensional model GS1-128 (EAN-128) can also scan 'wide barcodes' including CODE39 EIAJ labels used for medical supply labeling.

BHT-805B Series: Maximum approx. 195mm (equivalent to 50 characters of CODE39)
BHT-805Q Series: Maximum approx. 140mm (equivalent to 36 characters of CODE39)
BHT-825Q Series: Maximum approx. 100mm (equivalent to 50 characters of CODE39)

Solid and Robust – Equipment that can be managed with peace of mind!



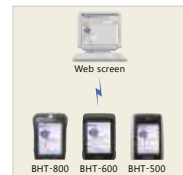
High drop resistance and environmental resistance

In addition to the repeated drop from the average operation height of 1.2m, tests include even greater and lower heights to consider all types of impact. Excellent durability ensures use with peace of mind.

Safety and speed required for business-use today

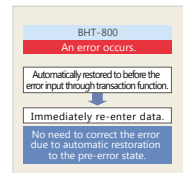
Smooth transition between models

Display previous QVGA screen model and web screen as is.



Transaction System BHT-

The new 'transaction system' automatically restores the system to the pre-error state. The use will be hassle-free, even when a file error occurs.



Wireless LAN & Bluetooth®

Supports IEEE802.11b/g which realizes up to 54Mbps in transmission speed¹ and the latest wireless security technology such as WEB key and SSID through WPA/WPA2. Also supports Bluetooth².

1: Only available on BHT-805BW/QW, BHT-825QW
2: With feature equipped model variants

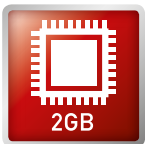
"BHT Setting" which makes set up easy

Various settings and application installation is made simple to introduce these handy terminals.

Reduces operation steps.

"BHT Manager" support software.

Reduces operational hassle by checking work situation and automatically updating the application or OS.



Flash file system

Inputted data is saved in the handy terminal's flash memory, preventing data loss even when the battery runs out of power. There is no need to be worried about data loss, even when the battery is low.

Global support



Available in more than 40 countries across the world! Total support system

Full range of service from sales to maintenance.
Approved authorised repair and service centers.



BHT-800 series specification

		Barcode Model				2D Model			
		Batch Model	Wireless LAN Model	Bluetooth Model	Wireless LAN / Bluetooth Model	Batch Model	Wireless LAN Model	Bluetooth Model	
Format		BHT-805B	BHT-805BW	BHT-805BB	BHT-805BWB	BHT-825Q	BHT-825QW	BHT-825QB	
OS		BHT-OS							
CPU		32 bit RISC CPU							
Memory (Flash memory) ¹		32 MB (User file area approx. 21MB)							
Display	Size ²	QVGA (240×320 dot)							
	Display device	Liquid crystal dot matrix display (color)							
	Character Display ³	16 dot font	15 characters x 20 lines (full-width), 30 characters x 20 lines (half-width)						
		24 dot font	10 characters x 13 lines (full-width), 20 characters x 13 lines (half-width)						
	Backlight	White LED							
Scanner	Method	Advanced Scan (CCD)				Area Sensor			
	Scan Codes	2D code	-				QR Code, Micro QR Code, SQRC, iQR, PDF417, Micro PDF417, Maxi Code, DataMatrix (ECC200), EAN.UCC Composite (GS1 DataBar Composite)		
		Barcodes	EAN-13/-8(JAN-13/-8), UPC-A/-E, UPC/EAN(with add-on), Interleaved 2 of 5, CODABAR(NW-7), CODE39, CODE93, CODE128, GS1-128(EAN-128), Standard 2 of 5, RSS(GS1 DataBar)				EAN-13/-8(JAN-13/-8), UPC-A/-E, UPC/EAN(with add-on), Interleaved 2 of 5, CODABAR(NW-7), CODE39, CODE93, CODE128, GS1-128(EAN-128), GS1 DataBar(RSS)		
	Minimum resolution	2D code	-				0.20mm		
		Barcodes	0.125mm				0.15mm		
	Scanning reference position	-				90mm			
	Marker	-				Area guide marker			
	Scan Confirmation	3 Color LED (Red/Blue/Green), speaker, vibration							
Keypad	No. of Keys	25 keys (including power key) + 2 trigger keys							
	Communication System	Infrared (IrDA Ver. 1.3 [Lower Power] physical layer compliant)							
Communications	Optical I/F	Communication Speed	~115.2kbps, 460.8kbps, 4Mbps ⁴						
		Transmission Distance	Approx. 0.15m max.						
	Compatible Standards	-	IEEE802.11b/g	-	IEEE802.11b/g	-	IEEE802.11b/g	-	
	Transmission Distance ⁵	-	Indoors: Approx. 75m, Outdoors: Approx. 200m	-	Indoors: Approx. 75m, Outdoors: Approx. 200m	-	Indoors: Approx. 75m, Outdoors: Approx. 200m	-	
	Access System	-	Infrastructure mode, ad-hoc mode	-	Infrastructure mode, ad-hoc mode	-	Infrastructure mode, ad-hoc mode	-	
	Wireless I/F	Security	-	WEP40,128, WPA-PSK(TKIP), WPA2-PSK(AES), WPA-1x(TKIP/EAP-TLS,PEAP), WPA2-1x(AES/EAP-TLS,PEAP), 802.1x(EAP-TLS,PEAP)	-	WEP40, 128, WPA-PSK (TKIP), WPA2-PSK (AES), WPA-1x (TKIP/EAP-TLS, PEAP), WPA2-1x (AES/EAP-TLS, PEAP), 802.1x (EAP-TLS, PEAP)	-	WEP40,128, WPA-PS(TKIP), WPA2-PSK(AES), WPA-1x(TKIP/EAP-TLS,PEAP), WPA2-1x(AES/EAP-TLS,PEAP), 802.1x(EAP-TLS,PEAP)	-
		Bluetooth	-	-	Bluetooth Ver. 1.2 based Class 2		-	-	Bluetooth Ver. 1.2 based Class 2
	Power Supply	Main Battery	Lithium-ion battery						
Hours of operation ⁶		Approx. 27 hours ⁷				Approx. 24 hours ⁷			
		-	Approx. 20 hours ⁸	Approx. 27 hours ⁹	Approx. 20 hours ⁸	-	Approx. 18 hours ⁸	Approx. 18 hours ⁹	
Auxiliary Functions	Clock, beeper, vibration, low-battery indication, remote wake-up function								
Environmental Requirements	Operating Temperature ¹⁰	-20°C~5°C							
	Protection Rating	IP54							
	Drop resistance ¹¹	More than 1,000 times from 0.2m height/10 times on each 6 sides (total 60 times) from 1.2m height above concrete floor							
Weight (incl. battery)	Approx. 220g				Approx. 230g				

1: User file area includes font file area (approx. 400kb).

2: The LCD panel is manufactured using high-precision technologies. While the effective pixel count is more than 99.99%, please be aware that there may be up to 0.01% of dead or stuck-on pixels.

3: The standard font, small font, 30 dot font, and 40 font may be set aside from the 16 bit font and 24 bit font.

4: When using the communication unit for the BHT-800 series, the maximum value of the RS-232C is 115.2kbps, USB type 460.8kbps, and Ethernet type 4Mbps.

5: Transmission distances are theoretical values and may vary according to actual usage environment conditions.

6: The hours of operation are a reference value based on operation at room temperature and may vary according to actual usage environment conditions.

7: In the case of 1 scan per 5 seconds, at backlight level 1.

8: In the case of scan: Wireless communication: Screen rewriting: Standby=1:1:1:20, at backlight level 1. Wireless ON only during communication and OFF at other times.

9: 1 cycle 30 seconds=Scan (1 second), Bluetooth transmission (Transfer of 1KB/always connect+C81ted), Screen writing (1 second), Standby. Backlight level 1.

10: 0~40 when recharging.

11: Test value at room temperature, not guaranteed.