TOYOTA TSUSHO ID SYSTEMS

DENSO
INVENTOR OF
QR-CODE®

SPEED UP YOUR BUSINESS

HANDY TERMINAL

BHT-1200
SERIES

GLOBAL PRODUCTS

Windows Embedded CE

Increase business efficiency. Longer operation time and overwhelming scanning speed!

Easy to operate

Easy to operate unit improves your business efficiency

Simple to operate with only one hand, even with just your thumbs

Keys are placed and arranged to enable one-handed operation

High capacity Lithium battery

Operates up to 34 hours without re-charging.

Operating System

Windows® embedded CE 6.0 R3

Keyboard-12 functional keys

Set up frequently used functions with sufficient numbers of functional keys. You can use the product in a dark place, thanks to the key back light.

5.0 megapixel digital camera
Take a photo of defective products while inspecting

Double-functional terminal with 5.0 megapixel digital camera function. Convenient auto-focus and built-in mini size light, displayed on a HVGA colour screen.

Wireless and security

The stability and speed required for business-use today

Fast wireless communication

Support IEEE802.11b/g/n.
High-speed communication

Prevent unauthorized access and wiretapping

Embedded with WPA/WPA2, highly reliable security technique, together with WEP

Decoding performance

Overwhelming speed! Powerful on decoding even over long distances

400 scans in one second

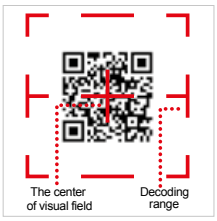
Decoding speed is almost twice as fast compared to conventional laser scanners. The BHT-1200 decodes even scratched or damaged codes.

Reads the code from a long distance

Read not only codes nearby, but also codes placed about a meter away.

Improved operability with a laser beam to indicate the decoding range (2D only)

Aggressive scanning performance.

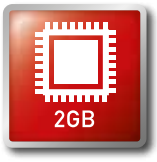


Expansion Memory

Back up RAM data in MicroSDHC (up to 32 GB)

Environment

Usable in a cold storage -20°C and up to +50°C.



Data backup

Flash ROM with high-capacity of 2 GB, use it without worries about the capacity

Durability

Cylindrical ‚jacket-structure', protecting the board from impact, dust and water IP54.

Global support system

Globally deployable

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-1200 series specification

			Bar code model	2D code model
			Built-in microphone receiver	Built-in microphone receiver
Type			BHT-1261BWB-CE	BHT-1261QWB-CE
OS			Windows® Embedded CE 6.0 R3	
CPU			ARM Coretex-A8 800MHz	
Memory	RAM		Mobile DDR 512MB	
	Flash ROM		2,0GB	
Display	Number of Dots [1]		320 x 480 dots (3.5 inch HVGA)	
	Display device		Liquid crystal dot matrix display (color)	
	Back light		White LED	
Scanner	Model		Advanced scan plus (CCD)	Area sensor
	Decode	1D code	EAN-13/-8(JAN-13/-8), UPC-A-E, UPC/EAN(Add-on embedded), Interleaved 2 of 5, Standard 2 of 5, CODABAR(NW-7), CODE39, CODE93, CODE128, GS1-128(EAN-128), MSI, GS1 DataBar(RSS)	EAN-13/-8(JAN-13/-8), UPC-A/-E, UPC/EAN (Add-on embedded), Interleaved 2 of 5, CODABAR(NW-7), CODE39, CODE93, CODE128, GS1-128(EAN-128), GS1 DataBar(RSS)
		2D code	–	QR code, micro QR code, SQRC, iQR, PDF417, micro PDF417, Maxi code DataMatrix (ECC200), Aztec, GS1 DataBar Composite (EAN.UCC Composite)
	Minimum resolution	1D code	0.125mm	0.125mm
		2D code	–	0.167mm
	Maker		–	Area guide maker
	Scan Confirmation		LED in three colors: Red/green/blue, speaker, vibration	
Key input section	Number of keys		30 keys (excluding the power key) + 3 trigger keys	
Network	Wireless I/F	Frequency	IEEE802.11b/g/n(2.4GHz)	
		Network range [2]	IEEE802.11b/g/n(indoor: about 150m, outdoor: about 300m)	
		Transmission speed [2]	IEEE802.11b:11/5.5/2/1Mbps, IEEE802.11g:54/48/36/24/18/12/9/6Mbps, IEEE802.11n:65/58.5/52/39/26/19.5/13/6.5Mbps	
		Security	WEP40,128, WPA-PSK(TKIP, AES), WPA2-PSK(TKIP, AES), WPA-1x(TKIP, AES/EAP-TLS, PEAP), WPA2-1x(TKIP, AES/EAP-TLS, PEAP), 802.1x(EAP-TLS, PEAP)	
	Bluetooth		Bluetooth Ver2.0 + EDR based class 2	
	Cradle I/F		RS-232C / USB client	
Card slot			MicroSDHC x 1 (up to 32 GB)	
Camera			5.0 megapixel camera with automatic focusing function	
Power	Main battery		Lithium-ion battery	
	Operating time [3]		Approx. 23 hours (when using the standard battery) / Approx. 34 hours (when using the high-capacity battery)	Approx. 22 hours (when using the standard battery) / Approx. 33 hours (when using the high-capacity battery)
Additional functionality			Clock, speaker, vibration, battery voltage indicator, key back light, G-sensor, microphone receiver	Clock, speaker, vibration, battery voltage indicator, key back light, G-sensor, microphone receiver
Environmental performance	Operating temperature		–20~50°C [4]	
	Security level		IP54	
Mass (including battery, stylus pen, hand-belt) [5]			Approx. 330g	Approx. 340g

1: The liquid panel is made with high-precision technology. Though the number of pixels available is 99.99%, please understand that there is 0.01% chance of the display being scrambled and turned off.
2: Network range and transmission speed are logical variables and accordingly, these may vary depending on the actual environmental condition.
3: In the case of decode:wireless communication:screen update:stand by = 1:1:1:20 and LCD back light is Low, turn ON the wireless only when connected to the network and turn OFF at other times. The operating time is for reference only at room temperature and it may vary depending on working conditions.
4: The temperature rises from 0 to 40 °C while charging.
5: The value when using the standard battery

Software

Software Development Kit (SDK) for BHT Windows ® CE [1]
Keyboard interface software [kbifCE] [2]

1: This software is available from the site free of charge to those customers who have purchased BHT Windows
2: This software is installed on the system when delivered

Items with this mark are available from the company's homepage (Qbdirect) free of charge

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Company Stamp

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Please Note
Please read the instructions manual carefully before operating this device.
Technical details may be changed at any time without prior notice. Details are correct as of October 2012.