

BHT-1281QULWB-CE specification

		UHF band RF tag handy terminal	
		1W high-power type	
Type	BHT-1281QULWB-CE		
OS	Windows Embedded CE 6.0 R3		
CPU	ARM Cortex-A8 800MHz		
Memory	RAM	Mobile DDR 512MB	
	Flash ROM	2.0GB	
Display	Number of Dots**	3.5 inch HVGA (320 x 480 dots)	
	Display device	Liquid crystal dot matrix display (color)	
	Back light	White LED	
RFID	Readable and recordable RF tag	ISO/IEC18000-63 TypeC (EPCglobal Class1 Gen2)-supported tag	
	Frequency	USA/CANADA	902-928kHz
		Taiwan	922-928kHz
		Thailand	920-925kHz
	Channel width/number of channels	USA/CANADA	500kHz/50ch
		Taiwan	500kHz/12ch
		Thailand	500kHz/10ch
	Transmission output	USA/CANADA	1W or less
		Taiwan	1W or less (0.4W**)
		Thailand	1W or less
	Modulation method	PR-ASK	
	Transmission rate	40kbps	
	Scanning distance**	Approx. 5m	
Output adjustment	20 levels		
Scanner	Mode	Area sensor	
	Decode	2D code	QR code, micro QR code, SQRC, iQR code, PDF417, micro PDF417, Maxi code, DataMatrix (ECC200), GS1 Composite
		Bar code	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)
	Minimum resolution	2D code	0.167mm
		Bar code	0.125mm
Maker	Area guide maker		
Scan Confirmation	LED in two colors: Blue/red, speaker, vibration		
Key input section	Number of keys	31 keys (including the power key) + 4 trigger keys	
Network	Wireless LAN	Suitable standard	Comply with IEEE802.11b/g/n
		Frequency	IEEE802.11b/g/n: (2.4GHz)
		Network range**	IEEE802.11b/g/n (indoor: about 150m, outdoor: about 300m)
		Transmission speed**	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, LEAP/EAP-FAST), WPA2-1x (TKIP, AES/EAP-TLS, PEAP, LEAP/EAP-FAST), 802.1x (EAP-TLS, PEAP, LEAP/EAP-FAST)	
Bluetooth	Bluetooth Ver2.0 + EDR based class 2		
Card slot	microSDHCx1		
Power	Main battery	2 lithium ion batteries	
	Operating time**	RF tag continuous scanning**	Approx. 8 hrs
		Wireless LAN communication**	Approx. 60 hrs
Additional functionality	Clock, speaker, vibration, battery voltage indicator, key back light, G-sensor		
Environmental performance	Operating temperature**	-20~40°C	
	Protection rating	IP54	
	Drop resistance**	Dropped from 1.2 m above concrete floor, on all 6 faces, 5 times each (total 30 times)	
Weight (including stylus pen and battery)	Approx. 570g		

* 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: The value of measurement by certification authority. * 3: Evaluation condition = Avery Dennison AD-2376. The scan distance shown is a reference value, and it may vary accordingly, depending on the actual environmental conditions. * 4: Network range and transmission speed are logical variables, and these may vary accordingly, depending on the actual environmental conditions. * 5: Operating times shown are reference values at room temperature, and these may vary depending on working conditions. * 6: When 50 RF tags are scanned simultaneously with the back light at Low level, the vibrator will be disabled and the speaker enabled. * 7: RF tag scanning : wireless communication : screen update : standby = 1:1:1:20. The back light is at Low level, the vibrator and buzzer are disabled and the power save mode is ON (FastPSP), and the wireless function is enabled only when the terminal is connected to the wireless network; the wireless function is disabled otherwise. * 8: The temperature rises from 0 to 40°C while charging. * 9: This is a test value, not a guaranteed value.

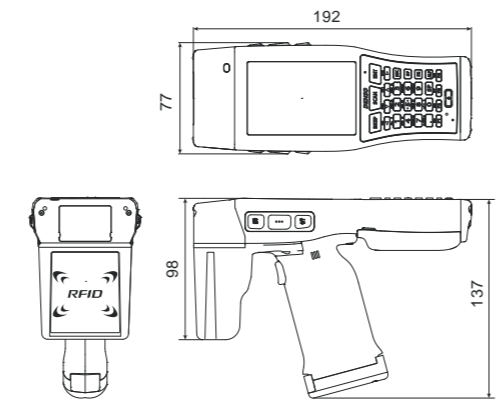
Option (sold separately)

- Communication Unit, which performs data communication with the BHT communication unit and the up-level device
- CU-1233 (RS-232C/USB communication + main body charging + reserve battery charging)
- CU-1211 (Ethernet communication + main body charging + reserve battery charging)

	CU-1233	CU-1211
Communication mode	Compy with RS-232/USB2.0 Full speed	Ethernet (100BASE-TX)
Charging time (main body)	High-capacity battery: approx. 9 hours (two batteries are charged simultaneously)	
Reserve charging	High-capacity battery: approx. 4.5 hours	
Size	133(D)x97(W)x101(H)	
Working voltage	AC adapter (AD3-1012/3000-02)* * The AC adapter is an option.	

- Communication Cable
 - CBBHT-US1800/C12-4A
 - * The BHT-1281QULWB-CE can be charged by connecting it to a USB charger. When charging the BHT-1281QULWB-CE, use a device that satisfies the following output and USB charging specifications. Output specifications: (voltage) DC5±0.25V(current) 1.2A or higher USB charging specifications: Battery Charging Specification Rev. 1.2
- Battery
 - BT-110L (High-capacity battery only)
 - BT-120L-C (High-capacity battery + battery cover)
 - Charger
 - CH-1104 (Four-battery charger)
 - CH-1254 (Four-device charger)
 - Waist Case
 - WHBHT-1281QULWB-CE
 - Hand Strap
 - SPBHT-1200QU

Dimensions Unit: mm (for reference only)



Software (Sold separately)

- Development Tool
 - Software Development Kit (SDK) for BHT Windows® CE*
 - * This software application is available free of charge from the site to customers who have purchased BHT Windows.
- Preinstalled Software
 - Keyboard interface software [kbifCE]*
 - * This software application is pre-installed on the system.

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

Components

- Device
- Stylus pen
- Guidelines for operation
- Instruction manual
- Battery

BHT-1281QULWB-CE

Blitz scanning

—Instant long range scanning of tags—



Full size Conceptual image

For more information, please visit our website
<http://www.denso-wave.com/en/adcd/>

* Appearance and specifications are subject to change without prior notice. * Description stated in this catalogue is as of November, 2015.

Contact Us: If you have further enquiries, please contact us for more information & discussion.

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