



# BHT-200 Series: Especially robust and suitable for a variety of purposes



Discover a new freedom: Our portable "all-in-one" devices enable fast and reliable scanning everywhere. A particular advantage is the rapid scanning and processing of the captured data, just one more reason why the terminal is so user friendly.









# **High performance**

#### Progressive advanced scanning technology

 Advanced scanning CCD (Charged Coupled Device) system for fast scanning at ranges of up to 700 mm

#### **High-speed processing**

 A specially developed driver ensures highspeed processing of the scanned bar code data, which then appears on the display immediately.

### High-speed data transfer

- Standard RF technology pursuant to IEEE802.11b enables wireless data transfer with 11 Mbit/s
- Security standards WPA/802.1x, WPA/PSKK

# Long life

#### High durability

- No moving parts in the CCD scanning element
- Shock resistant (resists repeated dropping onto concrete from a height of 1.20 m)
- Dust and waterproof pursuant to international standard IP54

### **Versatile**

## Gungrip models

- Designed for various industrial logistics applications
- Extra battery in the grip enables longer use without mains supply

# **User-friendly**

#### Microsoft® Windows® CE.NET 5.0

 The embedded operating system provides an open architecture for application development.

#### **Development tools**

- Microsoft® embedded Visual C ++4.0 (latest Service Pack)
- Microsoft® Visual Studio®.NET 2003/2005 (VB.NET & C#)
- BHT-200 Software Developer's Kit (SDK)

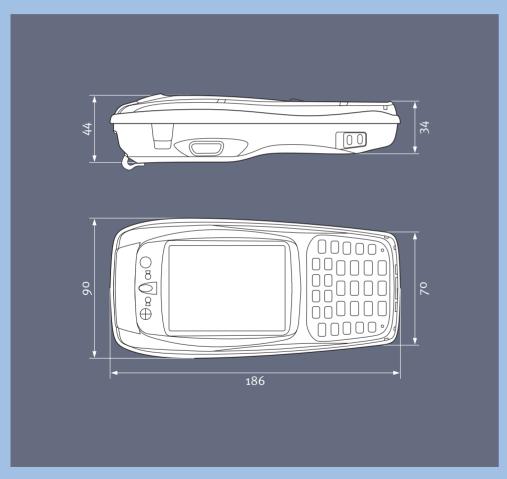
		BHT-212B-CE	BHT-262B-CE	BHT-282B-CE	BHT-212BW-CE	BHT-232BW-CE	BHT-262BW-CE	BHT-282BW-CE	BHT-212QW-CE	BHT-262QW-CE	BHT-282QW-CE	
Controller												
CPU			Intel® XScale™ PXA 270 (520 MHz)									
Memory			RAM: 128 MB (User area: 90 MB), Flash memory: 64 MB (User area: 30 MB)									
Operating system			Microsoft® Windows® CE.NET 5.0									
Display												
Resolution						240 X 320 (	lots (OVGA)					
Display device			240 x 320 dots (QVGA)  Liquid crystal dot matrix color display									
Frontlight		White LED Type front light										
Scanner						Willie ELD Ty	pe front light					
System				Adv	rancod Scanning (CCI	)) 4D			Δ.	rea Scanning (CCD)	2D	
Scanning area			Advanced Scanning (CCD) 1D  Max 900 mm <sup>(i)</sup>							Max 260 mm <sup>(2)</sup>		
			wiax you illili									
Scanable codes	2D codes	-							QR Code, Micro QR Code, PDF417, MicroPDF417, Maxi Code, DataMatrix, EAN.UCC Composite			
	Bar codes		EAN-13/-8 (Jan-13/-8), UPC-A/-E, UPC/EAN with add-on codes, Interleaved 2 of 5, CODABAR (NW-7),						EAN-13/-8 (JAN-13/-8), UPC-A/-E, UPC/EAN with add-on codes			
			CODE39, CODE93, CODE128 (EAN-128), Standard 2 of 5, MSI Code							Interleaved 2 of 5, CODABAR (NW-7), CODE39, CODE128 (EAN-128), Standard 2 of 5, MSI Code, RSS		
Resolution	2D codes	-							0.25 mm			
	Bar codes	0.15 mm										
Scanning confirmation			2-color LED (red/blue), buzzer, vibrator							Blue LED, buzzer (with volume control), vibrator		
Keypad									•			
Number of keys (n: numeric, a: alphanumeric)		26 keys (n) + 2 trigger keys	30 keys (a) +2 trigger keys	30 keys (a) +3trigger keys	26 keys (n) + 2 trigger keys	26 keys (n) + 3 trigger keys	30 keys (a) +2 trigger keys	30 keys (a) +3trigger keys	26 keys (n) + 2 trigger keys	30 keys (a) +2 trigger keys	30 keys (a) +3trigger keys	
Communications												
Optical interface	Standard	Infrared (IrDA-SIR 1.2 compliant)										
	Speed <sup>(3)</sup>	115.2 kbit/s										
	Range (3)	Approx. 15 cm										
Wireless interface	Standard	_			IEEE802.11b				IEEE802.11b			
	Frequency		_			2.4 GHz				2.4 GHz		
	Range (3)	_			Indoor: approx. 75 m, outdoor: approx. 150 m				Indoor: approx. 75 m, outdoor: approx. 150 m			
	Speed (3)	_			11/5.5/2/1 Mbit/s (automatic selection)				11/5.5/2/1 Mbit/s (automatic selection)			
					WPA				WPA			
	Security	_			EAP-TLS, PEAP				EAP-TLS, PEAP			
0.11.1.1.1	Authentication				RS232C (115.2 kbit/s max), USB 1.1 (Mini-B)				EAP-ILS, PEAP			
Cable interface					, t	S232C (115.2 kbit/s	max), USB 1.1 (Mini-l	3)				
Power supply												
Main battery				. 6			on battery	. 6				
Operating hours <sup>(4)</sup>		15 h	ours	30 hours(5)	15 hours	30 hours <sup>(5)</sup>	15 hours	30 hours(5)	12 hours	12 hours	24 hours(5)	
Equipment												
Auxiliary functions			Clock, buzzer, vibrator, remaining battery									
Grip			– Gun grip – Gun grip						– Gun grip			
Environmental requirem	nents											
Operating temperature			-5 °C∼50 °C									
Splash water/dust proof			IP54									
Shock resistance			1.20 m/30 times on concrete floor <sup>(6)</sup>									
Weight												
		Approx	360 g	Approx. 440 g	Approx. 380 g	Approx. 460 g	Approx. 380 g	Approx. 460 g	Approx	(. 390 g	Approx. 470 g	
		(a). Narrow barwidth							d not using the wirele			

- (1): Narrow bar width 1.0 mm or over, peripheral lighting min 500 lux
   (2): Bar code: Narrow bar width 0.25 mm or over, peripheral lighting min 500 lux
   (3): Maximum range and speed depend on operating conditions

- (4): When reading twice in a 10 seconds and not using the wireless interface(5): Two batteries(6): Test value; not guaranteed

# **BHT-200**

# **Dimensions in mm**



# Accessories

- Lithium-ion battery BT-20LB
- Stylus
- Hand strap

# Optional Accessories (not supplied)

- Communication unit (USB 1.1 interface)
- Cradle (Charging only)
- Lithium-ion battery charger CH-201
- Holster
- Softcase



# Note

Carefully read the user manual before using the device. Specifications are subject to change without notice. Information current as of May 2009.

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