

**Handy terminal with one handed operation
3.5-inch VGA LCD can provide a lot more information**



Barcode Handy
Terminal

**BT-W
100
SERIES**

Global Model Edition

Equipped with Windows® Embedded Compact 7

BT-W
100
SERIES



Intelligence

Displaying a large amount of information
leads to prompt decision making.

Handy Terminal

BT-W100 SERIES

Incredibly easy-to-grasp seamlessly fitted enables operation with a single hand



The streamline form makes it easy to hold comfortably.
Operation with a single hand results in the increase of work efficiency.

3.5-inch VGA LCD enables to display a large amount of data

The high-resolution LCD enables a viewing angle of 160°, which is twice larger than conventional models. This makes it possible to clearly check images and data even when viewing the screen from odd angle.



Power conserving design ensures 22 hours of continuous scanning operation

Our control algorithms for power conservation and a cylindrical battery with a high capacity density provide long period use and excellent operability. Full day usage without charging.



Lightweight body of only 257 g and optimum centre-of-gravity design

The unique design, where the centre of gravity naturally tilts in the direction of the grip, makes it possible to maintain optimum terminal attitude and balance. This stability leads to the smooth terminal operation.



SPECIFICATIONS

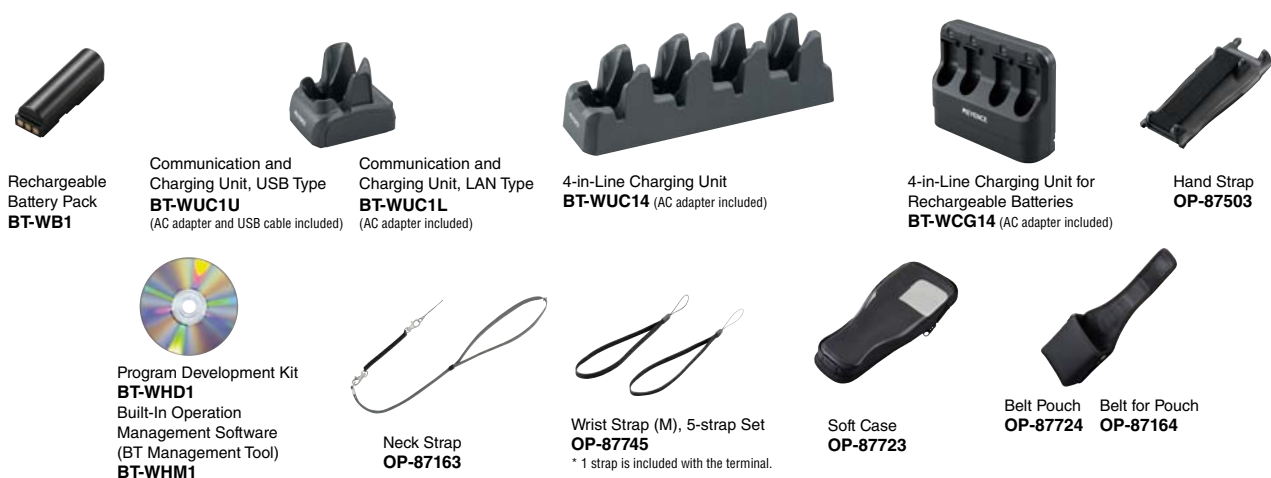
Model			BT-W100G/BT-W100GM		BT-W155G/BT-W155GM	
Type			Laser type		Camera type	
Controller	CPU	ARM Cortex®-A8 (800 MHz)				
	OS	Microsoft® Windows® Embedded Compact 7				
Main memory	RAM	256 MB (disk area: 32 MB)				
	ROM	512 MB (disk area: 222 MB), flash ROM				
Display	LCD	Display method	3.5-inch TFT colour LCD, 65536 colours, 480 × 640 dots (W × H; VGA)			
		Font	MS PGothic, MS UI Gothic, MS Gothic, Segoe UI, Courier New, Symbol, Tahoma, Times New Roman, Wingdings * SimSun and NSimSun fonts must be installed.			
Operations	Touch panel		Analogue resistive-film method (reinforced glass specifications)			
	Hard keys	Type	Set of arrow keys × 1, triggers × 3, function keys × 7, data input keys × 14, power key × 1			
		Backlight	LED (orange)			
Scanner	Optical characteristics	Reading light source	Visible semiconductor laser (655 nm), output: 1.0 mW, Class 2 laser product (IEC60825-1)			High-intensity red LED
		Minimum resolution	0.127 mm			2D code: 0.191 mm, barcode: 0.127 mm
		Reading distance	42 to 222 mm (narrow bar width: 0.25 mm)			40 to 190 mm (CODE39 narrow bar width: 0.254 mm) 75 to 140 mm (QR cell size: 0.254 mm)
		Readable label width/view range	–			81 × 51 mm (reading distance: 110 mm)
	Supported codes		JAN, EAN, UPC (add-on code support); CODE128; GS1-128; CODE39; NW-7 (Codabar); CODE93; ITF; COOP 2of5; 2of5 (Industrial 2of5); GS1 DataBar			JAN, EAN, UPC (add-on code support); CODE128; GS1-128; CODE39; NW-7 (Codabar); CODE93; ITF; COOP 2of5; 2of5 (Industrial 2of5); QR; Micro QR; DataMatrix (ECC200); PDF417; GS1 DataBar; GS1 Composite
Communication	Wireless LAN communication	Wireless standards	IEEE802.11b/g/n (2.4 GHz, 1-13ch)			
		Security methods	Security: WEP (64/128-bit), WPA, WPA2; WPA encryption method: TKIP, AES; Authorisation method: PSK, EAP-TLS, PEAP-MSCHAP-V2			
Bluetooth communication		Bluetooth® V2.1 + EDR SPP, PAN (PANU), FTP (Client), HSP (AG), HID (Host/Device)				
External recording media	Supported media		microSD or microSD (SDHC) with a capacity of 32 GB or less			
Power supply	Main battery	Type	Dedicated lithium ion battery pack, 2450 mAh			
		Continuous usage time ^{*1}	Charge mode 1: approx. 19 hours, charge mode 2: approx. 22 hours, charge mode 3: approx. 19 hours			
Environmental resistance	Enclosure rating		IP54 (IEC60529)			
	Drop resistance ^{*2}		Onto concrete from a height of 1.5 m			
	Ambient operating temperature ^{*3}		-5 to +50°C (no freezing)			
Dimensions		170 × 79 × 36.1 mm (31.3 mm) (The value in parenthesis is the grip dimension.)			170 × 79 × 40.4 mm (31.3 mm) (The value in parenthesis is the grip dimension.)	
Weight		Approx. 257 g (with rechargeable battery pack attached)			Approx. 262 g (with rechargeable battery pack attached)	

*1 This is the continuous usage time with the operation confirmation LED and vibration function turned off, with the buzzer turned on (with low volume), with the backlight turned on (with low luminance), at normal temperature, and when barcode reading is performed and round trip wireless communication is made once per 20 seconds.

*2 This is a test value. The value is not guaranteed.

*3 In a low-temperature environment, the lithium ion battery's continuous usage time decreases. Be sure to check operations before using the product.

PERIPHERAL EQUIPMENT



• There are limits to the countries and areas in which the products included in this catalogue can be used. For details, contact a KEYENCE sales representative.

- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by KEYENCE is under license.
- microSD™ is a trademark of SD Card Association. • Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- ARM Cortex is a trademark and registered trademark of ARM Limited in EU and other countries.



Please visit: www.keyence.com



SAFETY INFORMATION

Please read the instruction manual carefully in order to safely operate any KEYENCE product.

GLOBAL NETWORK

CONTACT YOUR NEAREST OFFICE FOR RELEASE STATUS.

AUSTRIA
Phone: +43-2236-378266-0

BELGIUM
Phone: +32-15-281-222

BRAZIL
Phone: +55-11-3045-4011

CANADA
Phone: +1-905-366-7655

CHINA
Phone: +86-21-5058-6228

CZECH REPUBLIC
Phone: +420-222-191-483

FRANCE
Phone: +33-1-56-37-78-00

GERMANY
Phone: +49-6102-3689-0

HONG KONG
Phone: +852-3104-1010

HUNGARY
Phone: +36-1-802-73-60

INDIA
Phone: +91-44-4963-0900

INDONESIA
Phone: +62-21-2966-0120

ITALY
Phone: +39-02-6688220

JAPAN
Phone: +81-6-6379-2211

KOREA
Phone: +82-31-789-4300

MALAYSIA
Phone: +60-3-7883-2211

MEXICO
Phone: +52-55-8850-0100

NETHERLANDS
Phone: +31-40-20-66-100

POLAND
Phone: +48-71-36861-60

ROMANIA
Phone: +40-269-232-808

SINGAPORE
Phone: +65-6392-1011

SLOVAKIA
Phone: +421-25939-6461

SLOVENIA
Phone: +386-1-4701-666

SWITZERLAND
Phone: +41-43-455-77-30

TAIWAN
Phone: +886-2-2721-8080

THAILAND
Phone: +66-2-369-2777

UK & IRELAND
Phone: +44 (0) 1908-696-900

USA
Phone: +1-201-930-0100

VIETNAM
Phone: +84-4-3772-5555