

BW18BT

2D Wireless Bluetooth Barcode Scanner



1D 2D barcode scanning



100m wireless transmission distance



Multifunctional charging base



2200mA large capacity battery

■ Aesthetically appearance design

BW18BT adopts a two-color mold design, with smooth product outlines, ergonomic design, and great visual impact.

■ Excellent anti-drop performance

BW18BT has an internal shock-resistant buffer design, a soft and hard rubber dual-color design, and strong anti-fall performance. It can easily survive multiple 1.5-meter drops and passed 1.5-meter drop test.

■ Plug and Play

Plug and play, no need to install any drivers, and compatible with all computers and POS devices on the market. Support Windows, Android, Linux, and iOS.

■ Laser positioning

BW18BT has precise cross laser positioning function, which can help users read barcodes faster and more accurately.

■ Support all common barcodes

BW18BT is based on the 2D CMOS principle and supports all common 1D and 2D QR codes. It can easily read 1D and 2D codes on paper and screen.

■ One touch pairing function

The cradle supports both data transmission and charging functions, as well as one-touch pairing. When you put the scanner into the cradle, press the button in the base, it will automatic pair the scanner and cradle.

Ultra-long Scanning Depth Of Field

The BW18BT uses high-performance CMOS sensor and professional two-dimensional lens, the scanning depth of field up to 400MM, and it has big advantage over similar products in the market.

Dual Wireless Mode

2.4G and Bluetooth 5.0 dual wireless mode. The scanner and usb dongle transmit data through stable and fast 2.4G frequency, in the open yard transmit distance reach 100m. Also the scanner can connect to tablets, mobile, laptop etc bluetooth devices.

Excellent Decoding Performance

BW18BT uses 1.2G ultra-high frequency chip and global exposure scanning module, the fast and accurate scanning features allow it use in various scenarios, which can decode dirty, wrinkled and damaged barcodes easily. Scanning speed 120FPS and movement tolerance 2 m/s.

Offline Storage & Inventory Mode

BW18BT supports offline storage mode. When the scanner is not connected or disconnected, the scanned data is automatically stored in the machine and automatically transmitted after reconnection. It also supports inventory mode. After entering the inventory mode, can conduct asset inventory without distance constraint.

Removable Battery

The battery can be manually removed and installed without any tools, and the battery can be charged independently, which is very convenient to use; it also has a large capacity of 2200MAH, and support max 7 hours continuous work (reading interval 1s) which equal to 25000 scans.

Trigger Life Over 10 Million Times

The trigger has a unique silicone protection design, and the life of trigger over 10 million times.

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Performance Parameters

Light source type	White lighting, cross laser positioning		
Scanning principle	Imaging CMOS		
Resolution	1280*800		
Trigger mode	Manual scan/continuous scan/auto-sensing scan		
Scan Angle	Rotation angle 360°, elevation angle ±65°, deflection angle ±65°		
Scanning depth of field	Code 128	65mm-190mm (5mil);	Code 39 50mm-220mm (5mil)
	QR Code	75mm-260mm (15mil);	EAN13 55mm-400mm (13mil)
Bit Error Rate	1/5 million		
Contrast	≥20%		
Communication interface	Receiver: USB-HID, USB-COM; Bluetooth: HID, BLE mode		
Wireless communication method	Pairing dedicated receiver: 2.4G communication; Pairing mobile Bluetooth device: Bluetooth communication		
Wireless transmission distance	Open distance: 100 meters		
One-click pairing method	Place the scanner on the base and press the base button to pair with one click		
Decoding capability	1D: Codabar, Code 39, Code 32 Pharmaceutical (PARAF), Interleaved 2 of 5, NEC 2 of 5, Code 93, Straight 2 of 5 Industrial, Straight 2 of 5 IATA, Matrix 2 of 5, Code 11, Code 128, GS1-128, UPC-A, UPC-E, EAN/JAN-8, EAN/JAN-13, MSI, GS1 DataBar Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, China Post (Hong Kong 2 of 5), Korea Post. 2D: QR Code, Data Matrix, Codeblock A, Codeblock F, PDF417, Micro PDF417, GS1 Composite Codes, MaxiCode, Aztec, HANXIN.		

Electrical Parameters

Voltage	DC5V±5%
Working current	240mA
Standby current	0mA (battery power is cut off in standby mode)
Lithium battery	2200mA lithium battery
Continuous working time	Scanning gun scans continuously for 1S, working time is 7 hours/scanning number is 25000 times
Charging time	4-5 hours
Charging method	Place the base for direct charging

Environmental Parameters

Working temperature	-20℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Working humidity	5%~95% (no condensation)
Ambient light	0~100000LUX
Drop resistance	Can withstand 1.5m free fall

Physical Parameters

Scanner size	181*68*85mm
Scanner weight	210g
Base weight	130g
Material	ABS+PC
Charging cable standard	1.5 meters