iData J16-BT

Wireless Bluetooth scanner

No cable limit, better user experience

iData J16-BT is a wireless Bluetooth scanner. It connects the scanner and the base via Bluetooth, enabling workers to work far from the workbench. The scanning technology designed for electronic and industrial manufacturing can effectively reduce the working difficulty. It can configure scanner smart assistants in batches, optimizing the scanner management.

Efficient Bluetooth transmission, no cable limit

The scanner and the base are connected via Bluetooth 5.0, the transmission distance can reach 70m, and it supports wireless long-distance scanning. Workers can work remotely from workbench without cable limit.

Scanning technology for electronics and industrial manufacturing

iData’ s innovative scanning technology, which has multi-spectral scanning and barcode imaging optimization, can effectively solve the problems of hard-to-recognized barcodes of low-contrast, damaged, and reflective. It empowers workers to easily handle micro barcodes, high-density barcodes, low-contrast barcodes, DPM codes, etc.

Smart scanner assistant, improve capacities in scanner configuration and deployment

Workers can configure the scanners in batches through mobile phones/computers, obtain device information, and quickly upgrade in batches. Enterprise workers can efficiently manage all scanners through simple operations.

Home appliance assemble

Automobile Manufacturing

Parts management

Electronics management

J16-BT Technical Specifications

Performance Parameter

Light Sensor	1280*1080 pixels
Light Source	WHITE, RED, BLUE

Scanning Performance

Scanning Accuracy	≥3mil
Scanning Angle	(pitch): ±70°; (skew): ±60°; (tilt): 360°
View Angle	Horizontal: 44.3°, Vertical: 28.4°, Diagonal: 51°
Minimum Reading Contract	15%
Motion Tolerance	13mil UPC 1.5m/S (Support up to 8m/s in high motion tolerance mode)

Code System

1D	Codabar, Code 11, Code 128, Code 32, Code 39, Code 93, EAN 13, EAN 8, UPC-A, UPC-E, IATA 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, Straight 2 of 5, MSI/Plessey, GS1 DataBar, etc.
2D	Aztec, Data Matrix, MicroPDF 417, PDF 417, QR, Micro QR, Grid Matrix, etc.

Decoding Range

Decoding Range	XD (Ultra-high Density)	HD (High Density)	SR (Standard Range)
3.33mil Code128	0.5cm~3cm (0.016" to 0.1")	2.5cm~14cm (0.98" to 5.51")	9.5cm~16.0cm (3.74" to 6.30")
10.83mil Code128	0.5cm~5cm (0.016" to 0.16")	0.5cm~19cm (0.2" to 7.48")	2.0cm~50.0cm (0.79" to 19.69")
5.83mil QR Code	0.5cm~3cm (0.016" to 0.1")	3.5cm~8.5cm (1.38" to 3.35")	11.0cm~13.5cm (4.33" to 5.31")
20.83mil QR Code	0.5cm~6.5cm (0.016"~0.21")	1.5cm~21cm (0.59" to 8.27")	4.0cm~95.0cm (1.57" to 37.40")

Wireless Transmission Performance BT

Bluetooth	Bluetooth 5.0
Range	2402MHz~2480MHz
Transmission distance	Up to 70m in open space
Communication mode	Real-time mode/Batch mode

Physical Parameter

Size (H*W*D)	174.69mm (H) *84.32mm (W) *64.68mm (D)
Weight	Scanner: 215g; Base: 193g
Working Voltage	4.5V~5.5V (DC)
Current	40mA (Base uncharged)
Interface	USB-HID, USB-CDC, RS232
Reminder	Speaker(voice) reminder/LED reminder/Vibration reminder
Housing Material	PC+ABS

Environment Parameter

Working Temperature	0℃~50℃
Storage Temperature	-20℃~70℃
Humidity	5%～95% (No condensation)
Ingress Protection	IP52
Drop Specification	Multiple drops to concrete floor from the height of 1.8m
Ambient Light	0Lux~100000Lux
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Scanning Configuration

Battery	2600mAh
Charging Time	5 Hour (5V/2A)
Working Time	≥12h
Scan Times	Up to 100,000 times for a single charge

Corresponding Regulations

Electric Safety	IEC 60950
Environmental Specification	RoHS directive 2011/65/EU, GB/T 26572
LED Safety	IEC 62471:2006
EMI/RFI	FCC Part 15 Class B, EN 55032:2015, EN 55035:2017

Accessories

Standard Accessories	USB cable*1, user manual*1, power cord*1
Optional Accessories	Cradle, serial cable

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