



iData J16 Series

High-performance scanner

Built for electronics manufacturing & industrial manufacturing

iData J16 is a wired/wireless high-performance scanner. iData's innovative scanning technology, which has multi-spectral scanning, polarized light elimination technology and algorithm optimization, can effectively solve the problems of hard-to-recognized barcodes in electronic manufacturing and industrial manufacturing. With USB connection, simply plug and use, a quick way to upgrade your business.

Multi-spectral technology, quickly read low-contrast barcodes

DPM codes in electronic manufacturing and industrial manufacturing are mostly produced by dot engraving, laser etching, or chemical etching, etc. In terms of barcodes such as vague, damaged, low contrast, the built-in smart algorithm can match the best light source for quick barcode capture.

Polarized light elimination, reduce reflection and ghosting

For strong reflective materials such as metal, glass, and ceramic tiles, the new generation of optical design can effectively eliminate the influence of polarized light and solve the problems of overexposure and ghosting caused by surface reflection, which are difficult to read.

Efficient decoding algorithm, fast and accurate decoding

NPU acceleration technology; 60,000+ barcode case library. The latest generation of decoding algorithm can quickly read and decode accurately. Besides, it can be adjusted perfectly according to electronic manufacturing ultra-miniature barcodes, it can read up to 1.667mil barcodes.



J16-BT

J16



Home appliance
assemble



Automobile
Manufacturing



Parts
management



Electronic s
management

J16 Series Technical Specifications

Performance Parameter

Light Sensor	1280*800 pixels
Light Source	WHITE, RED, BLUE

Physical Parameter

Size (H*W*D)	174.82mm (H) *85.3mm (W) *64.48mm (D)
Weight	Wired scanner: 153g Wireless scanner: 215g Wireless base: 193g
Working Voltage	4.5V~5.5V (DC)
Current	175mA (typical) , 460mA (maximum)
Interface	USB-HID, USB-CDC, RS232
Reminder	Buzz reminder/LED reminder Vibration motor (Wireless version only)
Housing Material	PC+ABS

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")

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

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 2m/S (Support up to 8m/s in high motion tolerance mode)

Environment Parameter

Working Temperature	0°C~50°C
Storage Temperature	-20°C~70°C
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)

Wireless Transmission Performance (Bluetooth version)

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

Scanning Configuration(Bluetooth version)

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

Accessories

Standard Accessories	Wired version: Data cable*1, user manual*1; Bluetooth version: Data cable*1, power cable*1, user manual*1
Optional Accessories	Cradle, serial cable

The information of iData products and software service may be subject to change without notice. Please contact your iData sales representative for the latest details.



Official Website

WUXI IDATA TECHNOLOGY COMPANY LTD.

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J16 Series Accessories

Wireless base



CHA-EXTD-J16(301140014)

Power adapter



CHA-PWAD-GNR-5V2A-CN(301040033)

Serial cable RS232



CHA-RS232-GNR(301030016)

Data cable USB



CHA-USBC-GNR(301030019)

Mounting cradle



MNT-MC-GNR(301020025)

Mounting cradle



MNT-MC-GNR-2(C01010058)

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