



iData J16 Series High-performance scanner

Built for electronics manufacturing & industrial manufacturing

iData J16 is a corded/cordless 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



Electronics 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 | corded scanner: 153g cordless scanner: 215g cordless 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 (cordless 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) |

cordless 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 | corded 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 SEWOO sales representative for the latest details.



Official Website

AROOT Co., Ltd.

Address: 475 N Martingale Rd #710 Schaumburg, IL 60173

E-mail: na_sales@miniprinter.com

Website: www.miniprinter.com

J16 Series Standard Accessories

Data cable USB



J16 Series Optional Accessories

BT Charging Dock



Stand for Wired Scanner



Common Accessories



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



Official Website

AROOT Co., Ltd.

Address: 475 N Martingale Rd #710 Schaumburg, IL 60173

E-mail: na_sales@miniprinter.com

Website: www.miniprinter.com