



AUTOID[®] WEARABLE RING SCANNER DATA COLLECTOR

PRODUCT SPECIFICATION V1.4



JIANGSU SEUIC TECHNOLOGY CO., LTD

1. AUTOID[®] RING SCANNER PERFORMANCE CHARACTERISTICS

Operating System	Can be connected with the Android, IOS, Windows and other intelligent operating system to use
RAM/ROM	2MB, built to store 100000 data
Expansion Slot	No
Interface/Communication	Industrial Micro USB interface, USB2.0, supports charging and data transmission
Keyboard	Scan key, reset key
Display	No
Power Supply	Built-in 500mAh rechargeable lithium battery
Battery Performance	1D: Continue to work: more than 10 hours (once every 3 seconds scanning and Bluetooth transmission) Dormancy standby: more than 500 hours 2D: Continue to work: more than 5 hours (once every 3 seconds scanning and Bluetooth transmission) Dormancy standby: more than 200 hours
Notification	Sound, vibration, LED indicator light
Audio	Built-in buzzer
Dimension	47mm(L) *37mm(W) *39mm(T)
Weight (including standard battery)	48g
Operating Temp	-20°C to +50°C
Storage Temp	-20°C to +60°C (Battery included)
Humidity	5% to 95% RH non-condensing
Sealing Grade	IP64
Drop Specification	1.5m (concrete)
ESD	±12kV Air discharge, ±6kV direct discharge

2. AUTOID[®] RING SCANNER DATA COLLECTION OPTIONS

Function 1	1D Scan Engine (Option 1)
Scan Accuracy	4mil
Rotate	±35°
Pitch Angle	±65°
Skew Tolerance	±50°

Ambient Light	Sunlight: 10,000ft. Candles (107,640Lux)
	Artificial light: 450ft. Candles (4,844Lux)
Scan Depth	15.2cm (4mil), 64.1cm (55mil)
Scan Frequency	min.92/sec, model: 104, max.116 times (bi-directional)
Scan Width	47°/35°
Laser Power	0.7mw ± 0.1mw
Code Support	UPC-A, UPC-E, EAN-8, EAN-13, Code 128, Code 39, Code 93, Code 11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSSI, etc.
Function 2	1D Scan Engine (Option 2)
Scan Accuracy	5mil
Rotate	±35°
Pitch Angle	±65°
Skew Tolerance	±50°
Ambient Light	Sunlight: 10,000ft
Scan Depth	13.5cm (5mil), 91cm (55mil)
Scan Frequency	100±10/sec
Scan width	47°
Laser Power	1.7mw±0.2mw
Code Support	UPC-A, UPC-E, EAN-8, EAN-13, Code 128, Code 39, Code 93, Code 11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSSI, etc.
Function 3	1D Scan Engine (Option 3)
Scan Accuracy	5mil
Rotate	±35°
Pitch Angle	±65°
Skew Tolerance	±50°
Ambient Light	Sunlight: 10,000ft. Candles (107,640Lux)
	Artificial light: 450ft. Candles (4,844Lux)
Scan Depth	17.78cm (5mil), 66.04cm (15mil)
Scan Frequency	104±12/sec
Scan Width	47°/35°/10°
Laser Safety Grade	Class I

Code Support	UPC/EAN, POST, Code 128, Code 39, Code 93, Code 11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSSI etc.
Function 4	2D Scan Engine (Option 4)
Sensor Resolution	640 x 480
Rotate	360°
Pitch Angle	±45°
Skew Tolerance	±45°
Scan Depth	5mil code39 (61-130mm); 20mil code39 (60mm-380mm)
Image Frame	30fps
Code Support	Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation, PosiCode, RSS Expanded, RSS Limited, RSS-14 2D Stacked: PDF417, MicroPDF417 2D Matrix: Aztec Code, Codablock F, Data Matrix, MaxiCode, QR Code, TCIF Linked Code 39, Chinese Sensible (Han Xin) code, Codablock A Postal Codes: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet
Light Source System	White light, red laser aiming
Barcode Reflection	Minimum 35% reflectivity

3. AUTOID® RING SCANNER WIRELESS DATA COMMUNICATIONS

Function 1	WPAN Bluetooth
Standard	Bluetooth 4.0 (Dual mode)
Protocol	Bluetooth HID protocol; Bluetooth SPP protocol
Power	Class II
Distance	>10 m (Industrial-grade Bluetooth adapter)

4. AUTOID® RING SCANNER THIRD PARTY APPLICATION SUPPORT

System Software	Android & IOS & Windows Mobile/CE
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5. AUTOID® RING SCANNER PERIPHERALS AND ACCESSORIES

Standard Accessories	Universal Adapter×1, USB cable×1
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