Wearable Ring Scanner collector

Product specification V1.2

Computer Peripheral and Supplies Ltd.

1、 PERFORMANCE CHARACTERISTICS

CPU	MSP430
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 source	Built-in 500mah rechargeable lithium battery
Battery performance	Continue to work: more than 10 hours (once every 3 seconds scanning and Bluetooth transmission) Dormancy standby: greater than 500 hours
Notification	Voice、 vibration 、 LED light
Audio	Built-in buzzer
Dimension	47mm(length）*37mm（width）*39mm（thickness）
Weight(with standard battery)	48g
Operating Temp	-20℃ to +50℃
Storage Temp	-20℃ to +60℃ （with battery）
Humidity	5% to 95% RH non-condensing
Sealing level rate	IP64
Drop Specification	1.5m （concrete）
ESD	±15kV air discharge， ±8kV direct discharge

2、 DATA ACQUISITION FUNCTION PARAMETERS

Option 1	**1D high-level laser scanning engine SE955**
Resolution	0.004 inch minimum element width
Roll	±35° from vertical
Pitch Angle	±65° from normal
Skew Tolerance	±50° from normal
Ambient Light	Sunlight:10,000ft. Candles(107,640Lux)
	Artificiallight: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.
Option 2	**1D high-level laser scan engine**
Optical Resolution	0.005 inch minimum element width
Roll	±35° from vertical

Pitch Angle	±65° from normal
Skew Tolerance	±50° from normal
Ambient Light	Sunlight:10,000ft
Scan Depth	13.5cm(5mil), 91cm(55mil)
Scan Frequency	100±10 times/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.

3、 *WIRELESS DATA COMMUNICATIONS*

Function 1	**Wireless network Bluetooth**
Standard	Bluetooth 4.0（Dual mode）
Protocol	Bluetooth HID protocol；Bluetooth SPP protocol
Power	Class 2
Distance	>10 m（Industrial-grade Bluetooth adapter）

4、 *THE THIRD PARTY APPLICATION DEVELOPMENT SUPPORT*

System software	Android &IOS &Windows Mobile/CE

5、 *PERIPHERALS AND ACCESSORIES*

Standard Accessories	Universal Adapter×1、 Data communication line×1