


RAKINDA Portable Combined Multi-function Mobile Phone Scanner Datasheet

No.	Items	规格
1	Product Name	Portable Combined Multi-function Mobile Phone Scanner
2	Model Name	SMB02H
3	Features	Strong versatility
4		Adjustable buckle can be combined with 5~8 inch mobile phone/tablet portable. (has passed the utility model patent).
5		Versatile on-demand selection
6		UHF comes standard with 1D/2D scanning, IrDA meter reading, glare flashlight, etc.
7		High performance UHF read function
8		Support 6B & 6C protocol, can read UHF tags from a long distance, and also support simultaneous multi-tag reading
9		With charging function
10		Built-in large-capacity 6000mAh battery can charge the mobile phone at any time to complete the outdoor mobile phone life.
11		Bluetooth Communication
12	The software adapts quickly, the mobile phone does not need to make any changes (providing communication interface, SDK and source code), which greatly shortens the project landing time.	
13	Long life cycle, low cost of iteration	
14	After the mobile phone is upgraded or replaced with a new battery, this is the latest PDA: not only can the low-cost sharing of the mobile phone/table change performance, but also the cost of purchasing	
15	Dynamic data collection function.	
16	Good heat dissipation and durability	
17	Metal body heat dissipation is good, long life is not dead, and it is durable and durable.	
18	Tilt design with handle	
19	The handle has a good grip, easy operation and good reading angle.	

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11	ID		
12	Charge and discharge function parameter	<i>Charging Voltage</i>	5.0±0.25V DC
13		<i>Output Voltage</i>	5.0±0.25V DC
14		<i>Nominal Capacity</i>	6000mAh
15		<i>Standard charging current</i>	<2A
16		<i>Standard charging Method</i>	CV (constant voltage 5.0V) charging

17		Charging Time	≤ 4 hours (1 charge cycle time for BACKPOWER internal battery)		
18		MAX charging current	<2A		
19		MAX discharging current	<2A		
20	Communication Interface	Bluetooth			
21	UHF Function	Working frequency	860Mhz – 960Mhz		
22		Air interface protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C ISO 18000-6B		
23		Output Power	0~33dBm		
24		Antenna	3dbi circularly polarized antenna		
25		Reading distance	3~15m (Related to factors such as label size)		
26		Read tag peak speed	> 200 sheets / sec		
29	1D/2D functions (Options)	Image sensor	752×480 CMOS		
30		Light	CCD LED 625±10nm		
31		Focus	Laser 650nm		
32		Symbologies	2D	PDF417, QR Code (QR1/2, Micro), Data Matrix (ECC200, ECC000, 050, 080, 100, 140), 汉信码	
33			1D	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, Code 11, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey ,etc	
34		Precision	≥3mil		
35		Typical reading depth of field	EAN-13	60mm~290mm (13mil)	
36			PDF417	55mm~135mm (6.7mil)	
37			Code39	55mm~165mm (5mil)	
38			Data Matrix	55mm~130mm (10mil)	
39			QR Code	45mm~175mm (15mil)	
40		Symbol contrast	≥20%Reflection difference		
41		Barcode sensitivity	Rotate 360°, tilt ±55°, deflection ±55°		
42	Field of view	36° horizontal and 23° vertical			
43	Features	High-performance, low-power: Full hardware logic that quickly and easily reads 1D/2D barcodes in a variety of applications, but requires only one-third of the power consumption of a typical product. LCD screen/phone barcode recognition: Easily solve the increasingly common problem of barcode recognition of mobile			

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		<i>phones, and make the preparation of products or solutions more complete. Red light illumination laser aiming: With lighting and cross aiming, you can read barcode targets in a completely dark environment.</i>
44	<i>Infrared emission tube center wavelength</i>	940nm

45	IrDA Power meter reading function (optional)	Infrared receiver tube	38kHz Modulation frequency
46		Reading distance	>3m
47		Transmission baud rate	1200bps
48		Data communication bias	35°
49		Working current	≤30mA
50	Flashlight	Powerful torch	1W Strong light flashlight for use in dark environments.
51	Environment	Operating temperature	0°C~45°C
52		Storage temperature	-10°C~ +45°C
53		Working humidity	5% - 95% (No condensation)
54	Smart function	LED display	4LED shows the charge and discharge status and power and 2LED display barcode and its Bluetooth working status.
55		Automatic power-on charging	When the USB cable is plugged into the interface, it will automatically charge without pressing any buttons.
56		Automatic detection	When the USB cable is plugged into the interface, it will automatically detect whether the phone should be charged..
57		Priority charging	When the USB cable jack is input, it will preferentially charge the external mobile phone, and the extra current will charge the built-in battery.
58		UPS Function	If the external power supply is suddenly interrupted during external power charging, the internal battery will continue to charge the phone.
59		Battery overcharge protection	Dual hardware protection: >4.2±0.04V
60		Battery over discharge protection	HW & SW dual protection, priority to enable software protection.
61	Output overcurrent protection	≤ 2A	
62	Short circuit protection	HW protection	
63		Type C USB charging cable	
64		Left and right buckle	

65	<i>Standard</i>	<i>With adhesive anti-slip/scratch pad</i>
66		<i>Certificate</i>
67		<i>Electronic manual</i>
68	<i>Options</i>	<i>5V/2A & 5V/1A two-way separate output high-quality car charger (the indoor mobile phone charger can be used to charge the mobile phone and the back clip at the same time, the outdoor car can be charged, the car charger can also charge the tablet.)</i>
69		<i>Back clip lanyard</i>
70		<i>AC charger</i>
71		<i>Phillips screwdriver</i>

72	Waist bag	
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