

TR01

Wearable barcode scanner



Product Features

Clear scanning feedback

The buzzer and dual color indicator light provide clearer scanning feedback and effectively remind users of their usage status.

Excellent performance

Adopting independently developed core decoding technology, it is easy to recognize low-quality barcodes and high-density barcodes such as bends, stains, and blurs.

Supporting multiple working modes

Supporting automatic sensing, continuous reading, button triggering and other working modes, effectively applicable to various practical applications.

Wireless mode

Supporting multiple wireless transmission modes, with long transmission distance, flexibility and convenience, eliminating wiring difficulties.

Reliable and durable structural design

After multiple drop tests at a height of 1.2 meters, the product is not easily damaged, The structural design, including a high elasticity trigger, enables the product to have excellent performance, Reliability and stability.

Application scenarios

Retail hotels, inventory management, logistics transportation, production and manufacturing, express delivery supermarkets, etc.

TR01 Technical Specification

Electrical parameters	Interface	2.4G mode (default mode), Bluetooth HID mode, Bluetooth BLE mode Compatible with USB HID mode, USB virtual serial port, HID POS	
	Trigger mode	Automatic sensing, continuous reading, key triggering (default mode)	
	Charging voltage	5 VDC $\pm$ 5%	
	Charging current	500MA	
	Power	MAX 180mA, normal 80mA, sleep $\leq$ 1mA	
	Battery size	400MAH	
	Standby time	$\geq$ 7 days	
	Prompting mode	Buzzer, LED dual color indicator light	
Scanning performance	Lighting	White LED	
	Aim	Red LED 625nm	
	Resolution ratio	640 $\times$ 480	
	Symbologies	QR code	PDF417、MICRO PDF、Data Matrix、microQR、QR、Aztec Code
		1D code	EAN13、EAN8、UPCA、UPCE0、UPCE1、Code128、Code39、Code93、Codabar、Inter25、Straight 2 of 5 industrial、Matrix25、Code11、MSI、RSS-14(GS1)、RSS Limited(GS1 Limited)
	Reading accuracy	$\geq$ 5mil code128 1mil = 0.0254mm	
	Typical reading depth of field	5mil	40mm~105mm EAN13
		10mil	40mm~220mm EAN13
		15mil	50mm~300mm EAN13
		25mil	100mm~380mm EAN13
		Payment code	60mm~600mm QR
	Scan angle	Roll	360° QR15mil
		Pitch	$\pm$ 60° QR15mil
		Yaw	$\pm$ 60° QR15mil
	Field of view angle	Horizontal 38°, Vertical 28.5°	
	Minimum printing contrast	$\geq$ 15% EAN13 10mil	
Mechanical parameters	Appearance size (mm)	Body	52(W) $\times$ 42(D) $\times$ 52(H)
		External packing	118(W) $\times$ 116(D) $\times$ 50(H)
	Weight	Net weight	44g
		Gross weight	112g

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Environmental parameters	Operation temperature	-30°C~+60°C	
	Storage temperature	-40°C~+70°C	
	Relative humidity	5%~95% (without condensation)	
	Drop height	Withstand multiple drops from a height of 1.2 meters to a cement floor	
List of accessories	Data cable	USB	TYPE-C data cable
	Dongle	Wireless receiver head	

*Test conditions: ambient temperature=25 °C; Environmental illumination=350 LUX fluorescent lamp

Specifications subject to change without prior notice



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