

GS R3521 Wearable Bluetooth Scanner

GS R3521 is a trustworthy 2D wearable scanner with proven scanning performance due to high quality optical components, which enable the easy capture of any color barcode and accurate aiming for exceptional ease of use. It features dual-mode Bluetooth 4.0 technology and support three Bluetooth modes, which significantly increases productivity and reduces error rates. It also features NFC, vibration alerts, AI identifier recognition, real-time transmission and batch data offline upload. It is quite suitable for a variety of applications, from warehouse to front-of-store.

Versatile wearable options-wear with Ring trigger, Ruglove or Thumbbutton as you like

All wearing accessories are interchangeable, Ring trigger, Thumbbutton and Ruglove. Allow workers to adjust the position of scanner on the hand to achieve the best comfort, better flexibility and higher productivity. Give each scanning operation a comfort and secure custom fit. With Ring trigger and Ruglove, workers can choose and decide to use left or right hand to work and swap scanning hands on the fly. With Thumbbutton, workers can wear scanners around the neck or on a belt to keep the scanner at hand. This is ideal for occasional scanning. Worker can share the same scanner body with their own wearable accessories without germs.

Scan engine, Zebra SE4107

Easy intuitive first-time aiming

The bright, rectangular illumination field and green LED aiming spot enables accurate aiming for exceptional ease of use. White illumination increases scanning flexibility by enabling the easy capture of any color barcode.

Rugged internal structure owes to protecting PCBA with aluminum alloy frame

With this delicate design, the PCBA is protected from drops and bumps due to the metal protective frame, which ensures reliable operation.

Robust external structure with enhanced hardness of body and imager window

The hardness of shell and imager window has been greatly improved, which contributes to the enterprise-class ruggedness and durability.

Replaceable 600mAh battery greatly improves working efficiency

It provides a longer battery lifecycle and ensures uninterrupted full-shift operation. It is designed to support back-to-back shifts without recharging and avoid trips to the service depot to replace dead batteries. It helps to increase the productivity during receiving, inventorying, picking, sorting, packing, etc.

NFC pairing saves at least half of the connection time

Using the NFC makes the Bluetooth connection more convenient and faster. User can simply tap the scanner with any NFC-enabled devices. No need to open the Bluetooth settings to identify and select the device.



GS R3521 Ring



GS R3521 Thumbbutton



GS R3521 Ruglove

APPLICATION SCENARIOS



Direct Store Delivery



Ticket Service



Healthcare



Warehouse



Retail



Manufacturing



Parcel Express

ACCESSORIES



Bluetooth Dongle GS100BT-Plus



Dual-Slot Battery Charger



Battery

PRODUCT SPEC SHEET

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PHYSICAL CHARACTERISTICS

Dimensions	With standard battery :
	64.8mm(L)×34.5mm(W)×24.7mm(D) 2.55in.(L)×1.36in.(W)×0.97in.(D).
	With extended battery :
	64.8mm(L)×34.5mm(W)×26.1mm(D) 2.55in.(L)×1.36in.(W)×1.03in.(D).
Weight	With standard battery :43g /1.52oz
	With extended battery :46g /1.62oz
Battery Capacity	Standard battery: 400mAh Extended battery: 600mAh
Charging	5V  1A
Charging Time	400mAh, 80min
	600mAh, 100min
Battery Life	400mAh, 7.5h (to be triggered every 5 seconds)
	600mAh, 10.6h (to be triggered every 5 seconds)
Notification	LED, Buzzer, Vibration

BLUETOOTH

Bluetooth Profiles	HID Keyboard, SPP and Bluetooth low energy (BLE)
Bluetooth Range	Communication distance connected to mobile phone > 164.04ft./50m (without obstructions)
Bluetooth OTA	Bluetooth SPP OTA

USB Interface	USB Type-C
USB Profiles	USB HID Keyboard, USB VCP (Virtual Serial Port)
Multilingual keyboards	USB HID mode supports multilingual keyboards

USER ENVIRONMENT

Ambient Light	Max 107,639 lux (direct sunlight)
Operating Temperature	14°F ~ 122°F / -10°C~50°C
Storage Temperature	14°F ~ 122°F / -10°C~50°C
Humidity	5% to 85% non-condensing
Drop Spec.	Multiple 4.9 ft./1.5 m drops to concrete over the operating temperature range.
Tumble Spec.	Scanner body withstands 20,000 3.3ft./1.0 m tumbles.
Electrostatic Discharge (ESD)	±8kVdc contact discharge; ±15kVdc air discharge;
Certification	CE, FCC, KC, TELEC, RoHS, ANATEL, NOM, EAC

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PERFORMANCE CHARACTERISTICS

Optical Resolution	1280 x 960 pixels, rolling shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: ±60°
	Pitch tolerance: ±60°
	Roll tolerance: 360°
Field of view	44.5° horizontal, 33.5° vertical
Illumination Element	1 warm white LED
Aiming Element	Green LED
Supported Symbologies	1D: Code39, Code128, Codabar, Code11, UPC/EAN , 2of5, Databar, Code39, MSI, UK Plessy, Telepen, Composite, TLC-39
	2D: Postal Codes, PDF, Micro PDF, Composite, TLC-39, Aztec, Data Matrix, QR, Maxicode, Han Xin, Grid Matrix, OCR
Interface	USB, Bluetooth
Offline Mode	Support storage 5000 EAN-13 barcodes

DECODE RANGES

5mil Code39	6.1cm~24.1cm/2.4in.~9.5in.
5mil Code128	7.1cm~22.9cm/2.8in.~9.0in.
6.67mil PDF417	6.1cm~20.3cm/2.4in.~8.0in.
10mil DataMatrix	7.4cm~21.6cm/2.9in.~8.5in.
100% UPCA	4.6cm~49.5cm/1.8in.~19.5in.
15mil QR Code	3.0cm~29.2cm/1.2in.~11.5in.
20mil QR Code	3.0cm~35.6cm/1.2in.~14.0in.

SOFTWARE SUPPORT

Generalscan Keyboard Pro
Generalscan SDK Demo
Generalscan OTA Tools
Generalscan iCode
G-Service