

# GS R5521 Wearable Bluetooth Scanner

The most compact, most rugged design with enterprise-class durability.

GS R5521 with Zebra engine SE4770 allows workers to quickly capture barcodes whether the scanner or the barcode is in motion. It has extraordinary working range, which can capture barcodes farther than 24.in/60cm away. It also can capture photos for proof of delivery and damage claims, as well as documents. 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, providing a perfect solution for warehouse, distribution center, manufacturing, etc.

## 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 SE4770

Maximum motion tolerance

High first-pass read rates allow workers to quickly capture barcodes, whether the scanner or the barcode are in motion.

Wider field of view

Capture large barcodes and multiple barcodes quickly and easily with a larger 'sweet spot' — no need for users to spend time repositioning the device to capture the barcode.

Extraordinary working range

Capture barcodes farther than 24 in./60 cm away, allowing you to meet the needs of more types of users and applications.

## 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 R5521 Ring



GS R5521 Thumbbutton



GS R5521 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

## GS R5521 Wearable Bluetooth Scanner

## PHYSICAL CHARACTERISTICS

Dimensions	70.0mm(L)×36.4mm(W)×28.4mm(D) 2.76in.(L)×1.43in.(W)×1.12in.(D)
Weight	57g /2.01oz
Battery Capacity	600mAh
Charging	5V  1A
Charging Time	100min
Battery Life	9h (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 > 65.6ft./20m (without obstructions)
Bluetooth OTA	Bluetooth SPP OTA

## USB

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

## PERFORMANCE CHARACTERISTICS

Optical Resolution	1280 x 800 pixels, rolling shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: ±60° Pitch tolerance: ±60° Roll tolerance: 360°
Field of view	48° horizontal , 30° vertical
Illumination	White LED
Aiming LED	RED LED
Supported Symbologies	Code39, Code128, Codabar, Code11, UPC/EAN, 2of5, Databar, Code39, MSI, UK Plessy, Telepen, Composite, TLC-39, 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

3 mil Code 39	76 to 147 mm (3 to 5.8 in)
5 mil Code 128	58 to 249 mm (2.3 to 9.8 in)
5 mil PDF417	76 to 201 mm (3 to 8 in)
6.67 mil PDF 417	63 to 257 mm (2.5 to 10.1 in)
10 mil DataMatrix	53 to 278 mm (2.1 to 10.9 in)
100% UPCA	41 to 632 mm (1.6 to 24.9 in)
15 mil Code 128	61 to 706 mm (2.4 to 27.8 in)
20 mil Code 39	41 to 917 mm (1.6 to 36.1 in)
20 mil QR Code	28 to 445 mm (1.1 to 17.5 in)

## SOFTWARE SUPPORT

Generalscan Keyboard Pro

Generalscan SDK Demo

Generalscan OTA Tools

Generalscan iCode

G-Service

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