

## GS R5520 Wearable Bluetooth Scanner

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

GS R5520 with Zebra engine SE4710 brings FASTER-THAN-EVER barcode capture, which captures virtually any 1D or 2D barcode in milliseconds from near contact to farther than 24 in./60 cm away. It has a wide field of view that allows easy close-up reading of large barcodes as well as multiple barcodes. 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 SE4710

Unparalleled barcode capture

Capture virtually any 1D or 2D barcode in milliseconds

Extraordinary working range

Capture barcodes from near contact to farther than 24 in./60 cm away

Wide field of view

Easy close-up reading of large barcodes as well as multiple barcodes

### 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 R5520 Ring



GS R5520 Thumbbutton



GS R5520 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 R5520 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	9.5h (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

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	42° horizontal , 28° vertical
Illumination	Red LED
Aiming LED	610nm LED
Supported Symbolologies	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

4 mil Code 39	84 to 224 mm (3.3 to 8.8 in)
5 mil Code 128	71 to 208 mm (2.8 to 8.2 in)
5 mil Code 39	50.8 to 343 mm (20 to 13.5 in)
5 mil PDF417	79 to 213 mm (3.1 to 8.4 in)
10 mil DataMatrix	74 to 257 mm (2.9 to 10.1 in)
100% UPCA	46 to 660 mm (1.8 to 26 in )
20 mil Code 39	50.8 to 762 mm (20 to 30 in)

#### SOFTWARE SUPPORT

Generalscan Keyboard Pro

Generalscan SDK Demo

Generalscan OTA Tools

Generalscan iCode

G-Service

# GENERALSCAN

Generalscan Inc.

20 Kulick Road Fairfield,  
New Jersey, 07004, USA

+1 888 633 7931

sales@generalscan.cloud

Generalscan Electronics GmbH

Hochstraße 42, 52525  
Heinsberg Germany

+49 1516 7161256

Generalscan LLC

Ave. Revolucion 545,  
San Pedro de Los Pinos.

Benito Juarez

03800 CDMX, Mexico

+52 5552727861

GENERALSCAN ELEKTRONIK VE TEKNOLOJİ SAN.  
VE TİC. LTD. ŞTİ.

FSM Mah. Siir Sk. Relux Plaza No 10,  
Ümraniye 34764,  
İstanbul, Turkey

+90 546 100 17 77