PRODUCT SPEC SHEET

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 Thumbutton as you like

All wearing accessories are interchangeable, Ring trigger, Thumbutton 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 Thumbutton, 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 bar codes

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 Thumbutton

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

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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 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

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

Barcode Market

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