GENERALSCAN

GS R5522 Wearable Bluetooth Scanner

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

GS R5522 with Zebra engine SE4750MR provides unparalleled performance on any data imaginable, capturing 1-D and 2-D bar codes in milliseconds, from high resolution photos, to fully searchable and editable legal, letter, A4 and A5 documents. The working range is expanded to further than 20feet/6m away. Works do not need to ever align the bar code and imager for highly intuitive and rapid bar code capture. 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.

Scan engine, Zebra SE4750MR

Comprehensive data capture capabilities

It can capture 1-D and 2-D bar codes in milliseconds, from high resolution photos, to letter, legal, A4 and A5 documents that are fully searchable and editable.

Extraordinary working range

It can capture data farther than 20 ft /6 cm away.

Omnidirectional scanning for unparalleled ease of use

No need to ever align the bar code and imager for highly intuitive and rapid bar code capture.

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 R5522 Ring   GS R5522 Thumbutton

GS R5522 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 R5522 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	61g /2.15oz
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 > 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 960 pixels,global shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: ±60°
	Pitch tolerance: ±60°
	Roll tolerance: 360°
Field of view	31º horizontal , 23º 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

5 mil Code 128	188 to 406 mm (7.4 to 16 in)
5 mil PDF417	206 to 333 mm (8.1 to 13.1 in)
7.5 mil DataMatrix	211 to 325 mm (8.3 to 12.8 in)
10 mil DataMatrix	178 to 432 mm (7 to 17 in)
13mil UPCA	58 to 965 mm (2.3 to 38 in)
15 mil Code 128	102 to 1016 mm (4 to 40 in)
20 mil Code 39	53 to 1372 mm (2.1 to 54in)
100 mil Code 39	279 to 4369 mm (11 to 172 in)
160 mil DataMatrix	292 to 3505 mm (11.5 to 138 in)
20mil QR Code	71 to 676 mm (2.8 to 26.6 in)

SOFTWARE SUPPORT

Generalscan Keyboard Pro

Generalscan SDK Demo

Generalscan OTA Tools

Generalscan iCode

G-Service

GENERALSCAN