

GS R5524 Wearable Bluetooth Scanner

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

Do you need an extremely compact and enterprise-class rugged Bluetooth barcode scanner? Do you have problems to decode the barcode which is 40 ft. / 12.2 m away? GS R5524 wearable scanner can help you! It can easily capture 1D and 2D barcodes in at a variety of distance and light conditions with adjustable illumination and intelligent autofocus. It integrates dual-mode Bluetooth 4.0 technology with IOS, Android and Windows, 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 SE55

Large working range

GS R5524 wearable scanner has an extraordinary working range — from 2.2 in./5.6 cm to over 40 ft./12.2 m.

Highly visible green laser aimer

The engine SE55 includes an innovative wide aim pattern green laser aimer with a wide targeting pattern that's up to 7x more visible than a red aimer dot.

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 R5524 Ring



GS R5524 Thumbbutton



GS R5524 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 R5524 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	59g /2.08oz
Battery Capacity	600mAh
Charging	5V --- 1A
Charging Time	100min
Battery Life	6.9h (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	2688 x 1520 pixels, global shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: ±60° Pitch tolerance: ±60° Roll tolerance: 360°
Field of view	37° horizontal , 21° vertical
Illumination	2 Warm-White LED
Aiming LED	Green Laser 520nm
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

3mil Code 39	69-411 mm(2.7-16.2 in)
5mil Code 39	64-676 mm(2.5-26.6 in)
5mil PDF417	71-498 mm(2.8-19.6 in)
6.7mil PDF417	66-650 mm(2.6-25.6 in)
10mil DataMatrix	56-688 mm(2.2-27.1 in)
100% UPC(13mil)	64-1800 mm(2.5-71 in)
15mil Code 128	182-1829 mm(7.2-72 in)
200mil DataMatrix	200-14400 mm(7.9-566.9 in)
200mil QR	250-18000 mm(9.8-708.7 in)

SOFTWARE SUPPORT

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

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