

# GS R1522 Wearable Bluetooth Scanner

GS R1522 is your best choice for a small, lightweight and hands-free 2D wearable ring scanner. It supports a wide variety of symbologies, including 1D, 2D, and OCR, and also supports reading poorly-printed and on-screen 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. It is quite suitable for a variety of applications, from warehouse to front-of-store.

**Versatile wearable options-wear with Ring trigger, Ruglove or Thumbton as you like**

All wearing accessories are interchangeable, Ring trigger, Thumbton 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 Thumbton, 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.

**Engine option, Honeywell N4680**

Fully decoded 2D scan engine that utilizes latest imaging and decoding technology

It is extremely motion tolerant to reach 6 m/s with its image capture at the rate of 120 fps maximum. Its powerful processor is 2.5 times faster. It supports a wide variety of symbologies, including 1D, 2D, and OCR. It also supports reading poorly printed and on-screen 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 R1522 Ring



GS R1522 Thumbton



GS R1522 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 R1522 Wearable Bluetooth Scanner

#### PHYSICAL CHARACTERISTICS

Dimensions	With standard battery :
	66.4mm(L)×34.7mm(W)×25.3mm(D) 2.61in.(L)×1.37in.(W)×1.0in.(D).
	With extended battery :
	66.4mm(L)×34.7mm(W)×26.9mm(D) 2.61in.(L)×1.37in.(W)×1.06in.(D)
	With standard battery :43g /1.52oz
	With extended battery :45g /1.59oz
Battery Capacity	Standard battery: 400mAh Extended battery: 600mAh
Charging	5V --- 1A
Charging Time	400mAh, 80min
	600mAh, 100min
Battery Life	400mAh,8h (to be triggered every 5 seconds)
	600mAh,12h (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 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	100,000 lux
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	640 x 480 pixels
Sensor	Rolling shutter
Skew, Pitch & Roll	Skew Tolerance: ±50°
	Pitch Tolerance: ±50°
	Roll Tolerance: 360°
Field of view	Horizontal: ±20°, Vertical: ±15°
Illumination Element	Warm White LED with CCT 3000K
Aiming Element	630nm RED LED
Supported Symbologies	1D: Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32(PARAF),E-AN-UCC Emulation, GS1 Data Bar POSTAL: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korean Post 2D: Codablock A, Codablock F, PDF417, MicroPDF417, Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code
Interface	USB, Bluetooth
Offline Mode	Support storage 5000 EAN-13 barcodes

#### DECODE RANGES

13mil 100% UPC	4.6cm~39.0cm/1.81in.~15.35in.
5mil Code39	4.5cm~18.0cm/1.77in.~7.09in.
10mil Code39	3.6cm~36.0cm/1.41in.~14.17in.
20mil Code39	7.1cm~74.7cm/2.79in.~29.41in.
7mil PDF417	5.5cm~16.3cm/2.17in.~6.42in.
10mil PDF417	4.2cm~24.7cm/1.65in.~9.72in.
20mil PDF417	8.1cm~49cm/3.19in.~19.29in.
7mil QR	7cm~12.5cm/2.76in.~4.92in.
10 mil QR	4.0cm~18.2cm/1.57in.~7.17in.
20 mil QR	3.6cm~36.7cm/1.42in.~14.45in.
5mil Code128	5.6cm~15.8cm/2.2in.~6.22in.
10mil Code128	3.3cm~32.1cm/1.3in.~12.64in.
20mil Code128	5.3cm~59.8cm/2.09in.~23.54in.

#### SOFTWARE SUPPORT

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

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