GENERALSCAN

GS R5523 Wearable Bluetooth Scanner

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

GS R5523 with Honeywell engine N6703 provides higher performance and reliability and enables increased barcode scanning speeds to meet higher-volume application requirements. Its read range and readability have been leveled up. It can read moving barcodes, enabling increased scanning speed and productivity. 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, Honeywell N6703

Extended read range

Based on a 1 Mpx global shutter sensor, it can read Code 39 20 mils at 0,8 m [31.5 in] distance. Its white LED illumination enhances image capture accuracy while the HD optics allow reading of higher resolution codes (down to 2.5 mils on Code 39 1D barcodes and down to 5 mils Data Matrix and QR barcodes). Equipped with its HD Optics, the N670X can read the new DotCode for tobacco products traceability down to a resolution of 5 mils.

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 R5523 Ring   GS R5523 Thumbutton

GS R5523 Ruglove

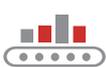## APPLICATION SCENARIOS

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 R5523 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	12.5h (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 100,000 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,global shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: ±60°
	Pitch tolerance: ±60°
	Roll tolerance: 360°
Field of view	48° horizontal , 31° 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

13 mil 100% UPC	79 to 228mm (1.73 to 8.98 in)
13 mil 20% UPC	44 to 573mm (3.11 to 22.56 in)
3 mil C39	106 to 176mm (4.17 to 6.93 in)
5 mil C39	70 to 301mm (4.17 to 11.85 in)
10 mil C39	40 to 517mm (1.57 to 20.35 in)
20 mil C39	44 to 800mm (1.73 to 31.5 in)
15 mil C128	42 to 650mm (1.65 to 25.59 in)
10 mil DM	72 to 297mm (2.83 to 11.69 in)
5 mil PDF417	105 to 181mm (4.13 to 7.12 in)
6,7 mil PDF417	84 to 244mm (3.31 to 9.61 in)
7mil QR	105 to 169mm (4.13 to 6.65 in)
15 mil QR	39 to 414mm (1.54 to 16.3 in)

SOFTWARE SUPPORT

Generalscan Keyboard Pro

Generalscan SDK Demo

Generalscan OTA Tools

Generalscan iCode

G-Service

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