

# GS R1522 Thumbbutton Barcode Scanner

## 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.

## Suitable for Standard Range Scanning

GS R1522 has the best performance for standard range scanning. The nearest distance is 71MM when scan barcode Code 39 of 20 mil, and the furthest distance is 747MM.

## 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.

## Versatile wearable options

With Thumbbutton, workers can wear scanners around the neck or on a belt or just hold it in hand with switching freely between left and right hand. In a word, keeping the scanner at hand is ideal for occasional scanning.

## Maximum ROI with multiple replaceable parts

The removable and swappable battery and trigger assemblies and retractable lanyard compatible with all the Generalscan scanner bodies, Maximising return on investment.

## Application fields

GS R1522 can be used widely in manufacturing, warehousing, logistics, retail, and transportations industries. It has incomparable advantages in improving quality and accuracy.



## ACCESSORIES



Bluetooth Dongle  
GS GDA201



Battery Charger  
GS GCR202(8-slot)/203(16-slot)



Battery Charger  
GS GCR201(Dual-Slot)



Armband  
(AB1800)



Thumbbutton trigger button +  
Lanyard

## PRODUCT SPECIFICATION

Wearable Barcode Scanner GS R1522

### PHYSICAL PARAMETER

Dimensions	2.6in. (L) x 1.4in. (W) x 1.0in. (H) 66.54mm(L) x 34.73mm(W) x 25.16mm(H)
Weight	28.3g(Scanner body)
Battery Capacity	Standard battery: 400mAh Extended battery: 600mAh
Charging	5V---1A
Charging Time	400mAh, 80min 600mAh, 100min
Battery Life	400mAh, 8.5h(scan once in 5 seconds) 600mAh, 12.8h(scan once in 5 seconds)
Notification	LED, Buzzer, Vibration

### PERFORMANCE CHARACTERISTICS

Optical Resolution	640x480 pixels
Shutter	Global Shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: $\pm 50^\circ$ from normal Pitch tolerance: $\pm 50^\circ$ from normal Roll tolerance: $360^\circ$ from normal
Field of View	Horizontal $20^\circ$ , Vertical $15^\circ$
Illumination	White LED
Aiming	Red LED
Supported Symbologies	1D: Codabar, Code39, Trioptic, Interleaved2 of 5, FEBRA-BAN, NEC 2 of 5, Code 93, Matrix 2 of 5, Code 11, Code 128, Telepen, UPC-A, UPC-E0, UPC-E1, EAN/JAN-13, EAN/JAN-8, MSI, GS1 DataBar, Codablock A, Codablock F 2D: PDF417, Macro PDF417, GS1 Composite Codes, GS1 Emulation, TLC39, QR, DotCode, Digimarc Barcode, Dta Matrix, Grid Matrix, Maxicode, Aztec, Han Xin, Postal
Interface	Scanner: USB, Bluetooth;
Offline Mode	Support storage of 5000 EAN-13 barcodes

### BLUETOOTH

Bluetooth Protocol	HID Keyboard, SPP, and BLE
Bluetooth Range	Communication distance connected to mobile phone > 164.04ft./50m (without obstructions)
Bluetooth OTA	Bluetooth OTA

### USB

USB Interface	USB Type-C
USB Protocol	USB HID Keyboard, USB VCP (Virtual Serial Port)
Multilingual Keyboards	USB HID mode supports multilingual keyboards

### USER ENVIRONMENT

Ambient Light	Max 100000lux (direct sunlight)
Operating Temperature	14°F ~ 122°F / -10°C~50°C
Storage Temperature	14°F ~ 122°F / -10°C~50°C
Humidity	5% - 85% non-condensing
Drop Spec.	Multiple 4.9ft./1.5M drops to concrete
Tumble Spec.	Scanner body withstands 20,000 times from 3.3ft./1M with frequency of 10 times per minute.
Electrostatic Discharge (ESD)	$\pm 8$ kv DC discharge, $\pm 15$ kv air discharge
Certificates	CE, FCC, KC, TELEC, RoHS, ANATEL, NOM, EAC

### SOFTWARE SUPPORT

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

### DECODE RANGES

5 mil Code 39	45.0 - 180.0 MM
10 mil Code 39	36.0 - 360.0 MM
20 mil Code 39	71.0 - 747.0 MM
5 mil Code 128	56.0 - 158.0 MM
10milCode 128	33.0 - 321.0 MM
20milCode 128	53.0 - 598.0 MM
100% UPCA	46.0 - 390.0 MM
7 mil PDF417	55.0 - 163.0 MM
10 mil PDF417	42.0 - 247.0 MM
20 mil PDF417	81.0 - 490.0 MM
7 mil QR	70.0 - 125.0 MM
10 mil QR/Data Matrix	40.0 - 182.0 MM
20 mil QR	36.0 - 367.0 MM

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