

# GS R1120 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.

**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.

**Ideal for Medium and Long-Range scanning**

R1120 has the widest working range in this class. The distance is as far as 685.8MM when scanning the barcode 100% UPC-A.

**Scan engine, Zebra SE965HP**

Best-in-class scanning performance, providing professional solution for 1D barcodes decoding, and decode virtually all the 1D barcodes. Scanning frequency is up to 104 times per second, and decoding speed is lower than 60 milliseconds. Even in poor lighting environment, the scanning performance is almost the same.

**The rapidly-replaced battery minimizes the downtime**

battery provides a longer battery lifecycle and ensures uninterrupted full-shift operation. The feature of swappable helps to increase the productivity during receiving, inventorying, picking, sorting, packing, etc.

**Maximum ROI with multiple replaceable parts**

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

**Application fields**

GS R1120 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 R1120

### PHYSICAL PARAMETER

Dimensions	3.0in.(L) x 1.4in.(W) x 1.0in.(H) 75.07mm(L) x 34.73mm(W) x 25.16mm(H)
Weight	33g(Scanner body)
Battery Capacity	600mAh
Charging	5V---1A
Charging Time	120min
Battery Life	15.4h(scan once in 5 seconds)
Notification	LED, Buzzer, Vibration

### PERFORMANCE CHARACTERISTICS

Optical Resolution	0.0015in. minimum element width
Sensor	Laser
Skew, Pitch & Roll	Skew tolerance: $\pm 40^\circ$ from normal Pitch tolerance: $\pm 65^\circ$ from normal Roll tolerance: $35^\circ$ from normal
Field of View	47° wide, 10° medium, 10° narrow
Scan Element	a resonant single line (650nm laser)
Supported	1D: Code39, Code128, Codabar, Code11, UPC/EAN, Interleaved
Symbologies	2 of 5, Discrete 2 of 5, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, GS1 Databar, Code93, MSI Composite
Interface	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 107,639lux (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 minutes.
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 128	30.5 - 195.6MM
5 mil Code 39	30.5 - 317.5 MM
7.5 mil Code 39	27.9 - 469.9MM
10 mil Code128	30.5 - 482.6 MM
100% UPC-A	40.6 - 685.8 MM
15 mil Code 128	25.4 - 749.3MM
20 mil Code 39	35.6 - 1320.8 MM
55 mil Code 39	86.4 - 2540.0 MM
100 mil Code 39	609.9 - 5181.6 MM

## GENERALSCAN

#### Generalscan Inc.

📍 200 Buckelew Ave, Jamesburg,  
NJ 08831, USA  
☎ +1 732 895 6821

#### Generalscan Electronics GmbH

📍 Hochstraße 42, 52525  
Heinsberg Germany  
☎ +49 1516 7161256

#### Generalscan LLC

📍 Calle San Luis Potosi 51,  
Roma Norte 06700,  
Ciudad de México  
☎ +52 5552727861

#### GENERALSCAN ELEKTRONIK VE TEKNOLOJİ SAN. VE TİC. LTD. ŞTİ.

📍 FSM Mah. Siir Sk. Relux Plaza No 10,  
Ümraniye 34764,  
İstanbul, Turkey  
☎ +90 542 478 5873