

# GS R1120 Ring Scanner

If you are looking for the best-in-class 1D scanner, fortunately, you have found it. GS R1120 is sturdily constructed with state-of-the-art 1D scanning performance and scanning range. Users can scan barcodes at the near contact and as far out as 15ft/4.5m (widest working range in this class).

Integrate dual-mode Bluetooth 4.0 technology with IOS, Android and Windows, which not only significantly increases productivity, reduces error rates, but also provides a perfect solution for warehouse, distribution center, manufacturing, etc.

It also features vibration alerts, AI identifier recognition, real-time transmission and batch data offline upload.



## APPLICATION SCENARIOS



Direct Store Delivery



Ticket Service



Healthcare



Warehouse



Retail



Manufacturing



Parcel Express

## ACCESSORIES



Bluetooth Dongle  
GS100BT-Plus



Dual-Slot  
Battery Charger

## FEATURES

- Engine option, Zebra EM1350
- Rugged internal structure owe to aluminum alloy frame protecting PCBA
- Robust external structure with enhanced hardness of body and imager window
- Versatile wearable options-wear on finger, with glove or lanyard as you like
- Two replaceable battery capacities, one is 400mAh and the other is 600mAh, to greatly improve work efficiency
- Updated removable trigger
- New function, NFC, tag to pair

# PRODUCT SPEC SHEET

## GS R1120 Ring Scanner

### PHYSICAL CHARACTERISTICS

Dimensions	With standard battery : 74.8mm(L)×34.7mm(W)×25.3mm(D) 2.94in.(L)×1.37in.(W)×1.0in.(D). With extended battery : 74.8mm(L)×34.7mm(W)×26.9mm(D) 2.94in.(L)×1.37in.(W)×1.06in.(D)
Weight	With standard battery :48g /1.69oz With extended battery:50g /1.76oz
Battery Capacity	Standard battery: 400mAh Extended battery: 600mAh
Charging	5V $\pm$ 1A
Charging Time	400mAh, 80min 600mAh, 100min
Battery Life	400mAh, 10.6h (to be triggered every 5 seconds) 600mAh, 15.1h (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 with protective case.
Certification	CE, FCC, KC, TELEC, RoHS, ANATEL, NOM, EAC

### PERFORMANCE CHARACTERISTICS

Optical Resolution	0.0015in. Minimum element width
Senser	Laser
Skew, Pitch & Roll	Condition 20mil Code 39 at 10 in. Skew tolerance: $\pm$ 40° from normal Pitch tolerance: $\pm$ 65° from normal Roll tolerance: $\pm$ 35° from vertical
Field of view	47° Wide, 35° Medium, 10° Narrow
Scan Element	a resonant single line ( 650nm laser)
Supported Symbolologies	1D:UPC-A, UPC-E, UPC-E1, EAN-13, EAN-8, ISBN/IS-SN, Code39, Code32, Codbar, Code128, ISBT 128, Code93, Interleaved 2of5, Discrete 2 of 5, Discrete 2 of 5 IATA, Code11, MSI, GS1-128, Bookland EAN, Trioptic Code 39, Coupon Code, GS1 DataBar Family, UCC Composite, TLC 39, Chinese 2 of 5
Interface	USB, Bluetooth
Offline Mode	Support storage 5000 EAN-13 barcodes

### DECODE RANGES

5mil Code39	3.05cm~31.75cm/1.2in.~12.5in.
7.5mil Code39	2.79cm~46.99cm/1.1in.~18.5in.
5mil Code128	3.05cm~48.26cm/1.2in.~7.7in.
10mil Code128	3.05cm~19.56cm/1.2in.~19in.
15mil Code128	2.54cm~74.93cm/1in.~29.5in.
13mil 100% UPC	4.06cm~68.58cm/1.6in.~27in.
20mil Code39	3.56cm~132.08cm/1.4in.~52in.
55mil Code39	8.64cm~254cm/3.4in.~100in.
100mil Code39	60.96cm~518.16cm/2ft~17ft

### SOFTWARE SUPPORT

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

# GENERALSCAN

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