GS R1120 Wearable Bluetooth 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). 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 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, Zebra EM1350

BEST-IN-CLASS 1D SCANNING PERFORMANCE AND SCANNING RANGE

It offers best-in-class scanning performance, scanning range, reliability and durability. Users can scan barcodes at near contact and as far out as 15 ft./4.5 m — the widest working range in this class.

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 R1120 Ring   GS R1120 Thumbutton

GS R1120 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 R1120 Wearable Bluetooth 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 ⎓ 1A
Charging Time	400mAh, 80min
	600mAh, 100min
Battery Life	400mAh, 10.5h (to be triggered every 5 seconds)
	600mAh, 15h (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.
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	0.0015in. Minimum element width
Senser	Laser
Skew, Pitch & Roll	Condition 20mil Code 39 at 10 in.
	Skew tolerance: ±40° from normal
	Pitch tolerance: ±65° from normal
	Roll tolerance: ±35° from vertical
Field of view	47° Wide, 35° Medium, 10° Narrow
Scan Element	a resonant single line (650nm laser)
Supported Symbologies	1D:UPC-A, UPC-E, UPC-E1, EAN-13, EAN-8, ISBN/IS-SN, Code39, Code32, Codbar, Code128, ISBT128, 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~19.56cm/1.2in.~7.7in.
10mil Code128	3.05cm~48.26cm/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

Barcode Market