

GS R1521 Ring Barcode Scanner

Metal frame structure

With this delicate design, the PCBA is protected from drops and bumps due to the metal protective frame, which ensures reliable operation. Passed the 1 meter 20,000 times rolling test, the performance is reliable.

Shell material is Hard

The hardness of shell (ABS+PC material) has been greatly improved, is impact-resistant, tensile-resistant, and meets enterprise-grade standards; The imager window (acrylic material) has high strength and strong light transmission.

QR code scanning engine with ultra-low energy

Global shutter, accurate and fast barcode recognition for mobile scanning scenes; 640×480 resolution, clearer images when scanning barcodes.

Ring Wear

Like wearing a ring, it is small, light and efficient; With Ring trigger, workers can choose and decide to use left or right hand to work and swap scanning hands on the fly.

Wide applicability

GS R1521 has unparalleled barcode recognition performance and can recognize almost all 1D and 2D barcodes; USB mode supports keyboard and virtual serial port, adapting to various application interfaces; Support two modes of classic bluetooth and low energy bluetooth; Support HID, SPP, BLE three transmission protocols.

Application field

The scanner can be widely used in manufacturing, warehousing, logistics, retail and express transportation, and has incomparable advantages in improving production efficiency and accuracy.



ACCESSORIES



Bluetooth Dongle
GDR201



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



Battery Charger
Dual-Slot Battery Charger



Armband
(AB1800)



Ring holder

PRODUCT SPECIFICATION

Wearable Barcode Scanner GS R1521

PHYSICAL PARAMETER

Dimensions	66.54mm(L) × 34.73mm(W) × 25.16mm(D)
Weight	25.8g(Scanner body)
Battery Capacity	Standard battery: 400mAh Extended battery: 600mAh
Charging	5V---1A
Charging Time	400mAh, 80min 600mAh, 100min
Battery Life	400mAh, 12h(scan once in 5 seconds) 600mAh, 18h(scan once in 5 seconds)
Notification	LED, Buzzer, Vibration

PERFORMANCE CHARACTERISTICS

Optical Resolution	640×480 pixels
Shutter	Global Shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: ±55° from normal Pitch tolerance: ±55° from normal Roll tolerance: 360° from normal
Illumination	White LED
Aiming	Red LED
Supported Symbologies	1D: Code 128(ISBT 128, AIM 128, GS1 128) , EAN-13, EAN-8, UPC-E, UPC-A, ISBN, ISSN, Code11, Interleaved 2 of 5, Code39, Code93, Code32, Codabar, Matrix 2 of 5, Industrial 25, IATA25, MSI Plessey, GS1 DataBar, Plessey, Febraban 2D: QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417, Aztec, Maxicode, Han Xin Code, Dotcode, 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 > 98.43ft/30m (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	-10°C~50°C
Storage Temperature	-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)	±8kv DC discharge, ±15kv 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

13 mil EAN-13	50 - 325MM
5 mil Code 39	55 - 135 MM
13 mil Code128	50 - 330MM
15 mil QR	30 - 190 MM
10milData Matrix	40 - 130 MM
6.67 mil PDF417	50 - 135MM

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