GENERALSCAN

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 fields

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	**Battery charger**	**Battery Charger**	**Armband**	**Ring holder**
GS GDA201	GS GCR202(8-slot)/203(16-slot)	GS GCR201(Dual-Slot)	（AB1800)	

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	600mAh
Charging	5V⎓1A
Charging Time	120min
Battery Life	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 3839 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 .0– 325.0MM
5 mil Code 39	55.0 – 135.0MM
13 mil Code128	50.0 – 330.0MM
15 mil QR	30.0 – 190.0MM
10milData Matrix	40.0 – 130.0MM
6.67 mil PDF417	50.0 – 135.0MM

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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 TEKNOLOJI SAN. VE TIC. LTD. ŞTİ.
📍 FSM Mah. Siir Sk. Relux Plaza No 10, Ümraniye 34764, Istanbul, Turkey
📞 +90 542 478 5873