

GS R1521 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

R1521 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 R1521 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 R1521

PHYSICAL PARAMETER

Dimensions	2.6in.(L) x 1.4in.(W) x 1.0in.(H) 66.54mm(L) x 34.73mm(W) x 25.16mm(H)
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	640x480 pixels
Shutter	Global Shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: $\pm 55^\circ$ from normal Pitch tolerance: $\pm 55^\circ$ from normal Roll tolerance: 360° from normal
Illumination	Cold 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	Scanner: 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	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)	± 8 kv DC discharge, ± 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

13 mil EAN-13	50.0 - 325.0 MM
5 mil Code 39	55.0 - 135.0 MM
13 mil Code128	50.0 - 330.0 MM
15 mil QR	30.0 - 190.0 MM
10milData Matrix	40.0 - 130.0 MM
6.67 mil PDF417	50.0 - 135.0 MM

GENERALSCAN

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