

GS R3521 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.

Suitable for Standard Range Scanning

GS R3521 is the best choice for standard range scanning. The furthest distance is 495MM when scan barcode 100% UPC-A, and 241MM when scan Code 39 of 5mil.

Scan engine, Zebra SE 4107

Easy intuitive first-time aiming. The bright, rectangular illumination field and green LED aiming spot enables accurate aiming for exceptional ease of use. White illumination increases scanning flexibility by enabling the easy capture of any color barcode.

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.

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.

Application fields

GS R3521 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 R3521

PHYSICAL PARAMETER

Dimensions	2.6in. (L) x 1.4in. (W) x 1.0in. (H) 64.9mm(L) x 34.5MM(W) x 24.7mm(H)
Weight	39.2g(Scanner body)
Battery Capacity	Standard battery: 400mAh Extended battery: 600mAh
Charging	5V ---1A
Charging Time	400mAh, 80min 600mAh, 100min
Battery Life	400mAh, 8.6h(scan once in 5 seconds) 600mAh, 12.9h(scan once in 5 seconds)
Notification	LED, Buzzer, Vibration

PERFORMANCE CHARACTERISTICS

Optical Resolution	1280 x 960 pixels
Shutter	Rolling shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: $\pm 60^\circ$ from normal Pitch tolerance: $\pm 60^\circ$ from normal Roll tolerance: 360° from normal
Illumination	Warm White LED
Aiming	Green LED
Supported Symbologies	1D: Code39, Code128, Codabar, Code11, UPC/EAN, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, GS1 Databar, Code93, MSI, Composite 2D: PDF417, Postal CodesMicro PDF, Micro PDF417, Code128 Emulation, Aztec, Data Matrix, GS1 Data Matrix, QR Code, GS1 QR, Maxicode, Micro QR, Han Xin, Grid Matrix,
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 > 164.04ft./50m (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 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% - 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)	± 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

5 mil Code 39	61.0 - 241.0 MM
5 mil Code 128	71.0 - 229.0 MM
6.6 milPDF417	61.0 - 203.0 MM
10 mil DataMatrix	74.0 - 216.0 MM
100% UPC-A	46.0 - 495.0 MM
15 mil QR Code	30.0 - 292.0 MM
20 mil QR Code	30.0 - 356.0 MM

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