GENERALSCAN

GS R1522 Thumbutton 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 R1522 has the best performance for standard range scanning. The nearest distance is 71MM when scan barcode Code 39 of 20 mil, and the furthest distance is 747MM.

Engine option, Honeywell N4680
Fully decoded 2D scan engine that utilizes latest imaging and decoding technology. It is extremely motion tolerant to reach 6 m/s with its image capture at the rate of 120 fps maximum. Its powerful processor is 2.5 times faster. It supports a wide variety of symbologies, including 1D, 2D, and OCR. It also supports reading poorly printed and on-screen barcodes.

Versatile wearable options
With Thumbutton, 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.

Maximum ROI with multiple replaceable parts
The removable and swappable battery and trigger assemblies and retractable lanyard compatible with all the Generalscan scanner bodies, Maximising return on investment.

Application fields
GS R1522 can be used widely in manufacturing, warehousing, logistics, retail, and transportations industries. It has incomparable advantages in improving quality and accuracy.

ACCESSORIES

Bluetooth Dongle	Battery Charger	Battery Charger	Armband	Thumbutton trigger button + Lanyard
GS GDA201	GS GCR202(8-slot)/203(16-slot)	GS GCR201(Dual-Slot)	(AB1800)	

PRODUCT SPECIFICATION
Wearable Barcode Scanner GS R1522

PHYSICAL PARAMETER

Dimensions	2.6in. (L) x 1.4in. (W) x 1.0in. (H)
	66.54mm(L) × 34.73mm(W) × 25.16mm(H)
Weight	28.3g(Scanner body)
Battery Capacity	600mAh
Charging	5V⎓1A
Charging Time	120min
Battery Life	12.8h(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: ±50° from normal	
	Pitch tolerance: ±50° from normal	
	Roll tolerance: 360° from normal	
Field of View	Horizontal 20°, Vertical 15°	
Illumination	White LED	
Aiming	Red LED	
Supported Symbologies	1D:	Codabar, Code39, Trioptic, Interleaved2 of 5, FEBRA-BAN, NEC 2 of 5, Code 93, Matrix 2 of 5, Code 11, Code 128, Telepen, UPC-A, UPC-E0, UPC-E1, EAN/JAN-13, EAN/JAN-8, MSI, GS1 DataBar, Codablock A, Codablock F
	2D:	PDF417, Macro PDF417, GS1 Composite Codes, GS1 Emulation, TLC39, QR, DotCode, Digimarc Barcode, Dta Matrix, Grid Matrix, Maxicode, Aztec, Han Xin, Postal
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 > 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

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)	±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

5 mil Code 39	45.0 – 180.0 MM
10 mil Code 39	36.0 – 360.0 MM
20 mil Code 39	71.0 – 747.0 MM
5 mil Code 128	56.0 – 158.0 MM
10milCode 128	33.0 – 321.0 MM
20milCode 128	53.0 – 598.0 MM
100% UPCA	46.0 – 390.0 MM
7 mil PDF417	55.0 – 163.0 MM
10 mil PDF417	42.0 – 247.0 MM
20 mil PDF417	81.0 – 490.0 MM
7 mil QR	70.0– 125.0 MM
10 mil QR/Data Matrix	40.0 – 182.0 MM
20 mil QR	36.0 – 367.0 MM

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