

# GS R1523 Handheld Barcode Scanner

## Warm White Illumination along with Red Cross Laser Aiming Enhanced Accuracy, Speed, and User Comfort

Warm white illumination reduces glare and reflection, making barcodes easier to read in bright or highly reflective environments. Red cross laser ensures precise targeting even in low-light or high-contrast conditions. In addition, cross laser provides a clear visual guide, helping users accurately align the scanner with the barcode, reducing misalignment errors and minimizes the need for multiple scan attempts. The combination of warm white illumination and red cross laser enhance the readability of low-contrast, faded, or damaged barcodes. What's important is the warm lighting is softer on the eyes, reducing eye strain for workers performing repetitive scanning tasks.



## All day comfort that workers can count on

The ergonomically engineered grip delivers unmatched comfort in demanding scanning environments, dramatically minimizing user fatigue while boosting productivity. Its intuitive design ensures seamless operation during extended shifts, empowering your team to work smarter and longer without compromise.



## Triggers built for intensive scanning

The triggers are rated for millions of pressing - instead of the typical few hundred thousand trigger presses. It is obvious that the frequency of replacing triggers getting lower, and also the cost.

## The Flexgrip is easy to assemble and clean

Designed for simplicity, the Flexgrip features an intuitive latch mechanism—just press and release to scan instantly. Its compact, space-saving design ensures quick assembly while also enabling effortless cleaning, saving you time and streamlining daily maintenance.

## ACCESSORIES



Bluetooth Dongle  
(GDA201)



Battery Charger  
GS GCR208(8-slot) /203(16-slot)



Battery Charger  
Dual-Slot Battery Charger



Armband  
(AB1800)



Flexgrip  
(GS GHR201)

# PRODUCT SPEC SHEET

## Handheld Barcode Scanner GS R1523

### PHYSICAL PARAMETER

Dimensions	66.5mm(L) × 34.7mm(W) × 25.2mm(D)
Weight	27.0g(Scanner body)
Battery Capacity	600mAh
Charging	5V $\pm$ 1A
Charging Time	120min
Battery Life	18.5h(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: $\pm 55^\circ$ from normal Pitch tolerance: $\pm 55^\circ$ from normal Roll tolerance: $360^\circ$ from normal
Illumination	Warm White LED
Aiming	Red Cross Laser
Supported	1D: Code 128(ISBT 128, AIM 128, GS1 128) , EAN-13, EAN-8,
Symbologies	UPCE0, UPCE1, UPC-A, ISBN, ISSN, Code11, Interleaved 2 of 5, Code39, Code93, Code32, Codabar, Matrix 2 of 5, Industrial 25, IATA25, MSI Plessey, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, Plessey, Febraban, Composite 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

### SOFTWARE SUPPORT

Generalscan Keyboard Pro, Generalscan SDK Demo, Generalscan OTA Tools,  
Generalscan iCode, G-Service

### 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	-20°C~50°C
Storage Temperature	-40°C~70°C
Humidity	5% - 95% 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)	$\pm 8$ kv DC discharge, $\pm 15$ kv air discharge
Certificates	CE, FCC, KC, TELEC, RoHS, ANATEL, NOM, EAC

### 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

### DECODE RANGES

13mil EAN-13	55.0 - 350.0MM
5mil Code 39	55.0 - 120.0MM
13mil Code128	55.0 - 350.0MM
15mil QR	25.0 - 230.0MM
10mil Data Matrix	45.0 - 150.0MM
6.67mil PDF417	55.0 - 145.0MM

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