

GS R1523 Ring 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 minimizing 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.

True-Wearable Ring Trigger - Easy to Wear on Your Index Finger Like a Ring

Users can wear the scanner on their index finger, allowing them to efficiently scan barcodes while keeping their hands free for other tasks. This is particularly useful in industries like logistics and warehousing where workers need to handle packages or products. The ring scanners typically provide wireless connectivity, enhancing flexibility and enabling seamless integration with various devices.

Scanner Body is Rugged

With the 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. The hardness of shell (ABS+PC material) has been greatly improved, is impact-resistant, tensile-resistant, and meets enterprise-grade standards.

Application Fields

R1523 can be widely used in manufacturing, warehousing, logistics, retail and express transportation, and has incomparable advantages in improving production efficiency and accuracy. In logistics, warehousing and other scenarios where fast scanning is required, precise cross aiming helps to improve scanning success rates, even when the target barcode is in motion.



ACCESSORIES



Bluetooth Dongle
GS GDA201



Battery charger
GS GCR202(8-slot)/203(16-slot)



Battery Charger
GS GCR201(Dual-Slot)



Armband
(AB1800)



Ring holder

PRODUCT SPECIFICATION

Wearable 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° 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	± 8 kv DC discharge, ± 15 kv air discharge
Discharge (ESD)	
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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