1D	Bluetooth 5.0	2200 mAh	IP42	1.5m drop	CMOS
2D	USB	Megapixel			

HR32 Marlin BT SD
Handheld Scanners

Features

Mega Pixel Scanning Technology

Equipped with a megapixel barcode scanner, the HR32 Marlin BT SD reads virtually all 1D or 2D barcodes in any condition. It has a better reading performance on reading long or truncated 1D codes or larger and more high-density 2D codes.

Perfected for POS

The HR32 Marlin BT SD has a stand design for hands-free scanning, especially ideal for POS applications. Users can process smaller items without having to pick up the scanner. The scanner can then be picked up to use for more oversized items without dealing with cables.

JPOS and OPOS Driver Support

When in HID-POS or Newland CDC mode, JPOS and OPOS drivers are supported via the dongle directly or the dongle, stand + USB cable combination.

Supports the Workload

The 2200mAh battery, combined with the low power consumption of the HR32 Marlin BT SD and lower power Bluetooth 5.0, means a full charge can last over 12 hours. A charge from empty to full takes less than 4 hours.

Fit for the job

With a 1.5m drop and IP42 rating, the HR32 Marlin BT SD can take a tumble from a high countertop or workbench onto hard floors with no problem. The IP42 is a high enough sealing for dirty and damp environments.

Flexible Bluetooth Options

The HR32 Marlin BT SD has 3 Bluetooth options. When the dongle and charging station is connected, the scanner transmits data via the USB cable to the host. The dongle can also be removed and used in a spare USB port, and the Bluetooth on the scanner can be paired with a 3rd party Bluetooth on a host.

Suggested industries

Finance	Healthcare	Postal	Retail	Warehousing

Performance

Image Sensor	CMOS 1280 x 800
Memory Flash	1MB e.g. ≥15000 pieces of Code 128 (20 byte of each Code 128)
Illumination	White LED & Red LED
Aiming	Green LED
Depth of Field EAN 13 (13mil)	50-495mm
Depth of Field Code 39 (5mil)	85-220mm
Depth of Field PDF417 (6.67mil)	70-215mm
Depth of Field Data Matrix (10mil)	50-220mm
Depth of Field QR (15mil)	20-325mm
Minimal Print Contrast	25%
Scan Angle Roll	360°
Scan Angle Pitch	±55°
Scan Angle Skew	±55°
Field of View Horizontal	39°
Field of View Vertical	24°

Data Capture

1D	EAN-8, EAN-13, UPC-E, UPC-A, Code128, Coupon, UCC/EAN128, CodaBar, I2Of5, Febraban, ITF14, ITF6, Matrix 25, Code39, Code93, ISSN, ISBN, Industrial 25, Standard 25, China Post 25, Plessey, Code 11, MSI Plessey, UCC/EAN Composite, GS1 Databar, Code 49, Code 16K, AIM 128, ISBT 128.
2D	PDF417, Micro PDF417, QR Code, Micro QR Code, Aztec, Data Matrix, Chinese Sensible Code, Maxicode, Code One.

Physical

Dimensions (mm)	Scanner: 113.5(W) x73.3(D) x159.0(H) mm
Weight	Scanner: 217g
Interfaces	USB
Battery Type	2400 mAh lithium-ion battery
Expected Battery Life	≥12 hours of continuous operation (scan once per 6 seconds)
Expected Charge Time	4 hours (with power adapter)
Notifications	Beep, LED indicator
Current @ 5VDC Operating	5VDC±5%

Environmental

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5%~95% (non-condensing)
Electro Static Discharge (ESD)	±8KV (air discharge); ±4KV (direct discharge)
Drop	Scanner: 1.5m Cradle: 1.2 m
IP Rating	IP42

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Wireless

WPAN RADIO	Bluetooth 5.0
Wireless Distance (max.)	≥50m/164ft (direct line of sight in open air)
Communication Modes	Synchronous, asynchronous and batch modes

Certifications

Hardware	FCC Part15 Class B, CE EMC Class B, RoHS

Warranty

Standard	3 years

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