LS1203 Handheld Scanner

Excellent value for everyday use

The Zebra LS1203 handheld scanner delivers high quality laser scanning, user-friendly ergonomics and durability at an affordable price. Designed to meet the needs of small businesses, the LS1203 provides the performance and features needed to significantly reduce data entry errors and boost productivity day in and day out in gift shops, boutiques, sporting goods, jewelers, video stores, florists and other small local retailers. Easy and comfortable to use, this high-value cost-effective scanner offers the reliability and investment protection that have made Zebra the global leader in handheld bar code scanning.

Increased productivity from the start

For point of sale check-out applications, the LS1203 provides the power to improve operational efficiencies right out of the box. The plug-and-play design virtually eliminates installation hassles. The intui-tive ergonomic design eliminates training requirements — employees are up and running in minutes.

Manual keying is eliminated, reducing cashier errors and ensuring that your customers are charged the co-rrect amount. The result is faster checkout, increased customer satis-faction and a quick return on investment. In the back room, the LS1203 automates paper-based processes, such as inventory management, translating into more accurate information and less time spent on day-to-day administrative tasks — and more time spent serving customers.

Durable construction combined with future-proofing

With a single board construction and durable scan element, the LS1203 can easily stand up to daily use and those inevitable drops. With everyday operation you can count on, the LS1203 ensures mini-mal maintenance costs and maximum uptime. And integrated multiple interfaces provide the investment protection you need to ensure that the scanner you buy today will work with tomorrow's POS system.

Proven quality you can trust

When you choose the LS1203, you receive the added assurance of purchasing a product from Zebra — the global leader in handheld bar code scanning with millions of scanners in use every day by the world's largest retailers worldwide. And since even the most durable products require a maintenance plan and support strategy, Zebra has designed a full complement of service offerings to help you protect your investment and maintain peak performance.

Increased productivity from the start with the LS1203

For more information, visit www.zebra.com/ls1203 or access our contact directory at www.zebra.com/contact

Features

Durable construction: single board construction; meets Zebra's stringent 5 ft. drop tests

Designed for continuous usage all day, every day; significantly redu-ces downtime and repair costs

Multiple interfaces: RS232, USB, KBW (keyboard wedge) in one scanner

Simplifies installation and integration; futureproof solution ensures compatibility with your host/POS today and tomorrow

Ergonomic hybrid design featuring sleek, lightweight, balanced form factor

Maximum comfort for all day use; reduces user fatigue

Intuitive scanning; plug and play design

Practically eliminates setup and training time for faster return on investment

High quality 1D laser scanner — choice of triggered or Auto-Scan™ (continuous mode) scanning

Accurate first time scanning; always ready for the next scan

Specifications

Physical Characteristics

Dimensions	2.4 in. H x 7.1 in. L x 2.4 in. W 6.2 cm H x 18 cm L x 6 cm W
Weight (w/o cable)	Approximately 4.3 oz. (122 g)
Voltage & Current	5 +/-10%VDC @ 100 mA (Stand by: <35 mA)
Power Source	Host power or external power supply
Color	Cash Register White or Twilight Black

User Environment

Operating Temp.	32° to 122° F/0° to 50° C
Storage Temp.	-40° to 158° F/-40° to 70° C
Humidity	5% to 95% relative humidity, non-condensing
Drop Specs	Withstands multiple 5 ft./1.524m drops to concrete
Ambient Lighting Tolerance	Tolerant to typical artificial indoor and natural outdoor (direct sunli-ght) lighting conditions. Fluorescent, Incandescent, Mercury Vapor, Sodium Vapor, LED[4]: 450 Ft Candles (4,844 Lux) Sunlight: 8000 Ft Candles (86,111 Lux)
Beeper Volume	User-selectable: three levels
Beeper Tone	User-selectable: three tones
ESD	Conforms to 15 kV air discharge and 8 kV of contact discharge

Warranty

The LS1203 is warranted against defects in workmanship and materials for a period of 3 years (36 months) from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. See full warranty for details.

Depth of Field

Paper Label	
Code 39 - 5 mil	English: 0.25" - 5.00" Metric: 0.50 -12.50cm
Code 39 - 7.5 mil	English: 0 - 7.75" Metric: 0 - 19.68cm
Code 39 - 10 mil	English: 0 - 8.50" Metric: 0 - 21.50cm
100% UPC - 13mil	English: 0 - 8.50" Metric: 0 - 21.50cm
200% UPC - 26mil	English: 0 - 10.25" Metric: 0 - 26.00cm

Performance Characteristics

Scanner Type	Bi-directional
Light Source (Laser)	650nm laser diode
Scan Rate	100 scans per second
Typical Working Distance	See chart below.
Print Contrast Min.	30% minimum reflectance
Roll (Tilt): [1]	± 30° from normal
Pitch: [2]	± 65°
Skew (Yaw): [3]	± 60°
Decode Capability	UPC/EAN, UPC/EAN with Supplementals, UPC/EAN 128, Code 39, Code 39 Full ASCII, Code 39 TriOptic, Code 128, Code 128 Full ASCII, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Code 93, MSI, Code 11, IATA, GS1 DataBar (formerly RSS) variants, Chinese 2 of 5
Interfaces Supported	USB, RS-232; Keyboard Wedge

Regulatory

Electrical Safety	UL1950, CSA C22.2 No. 950, EN60950/IEC950
Laser Safety	IEC Class 1
EMI/RFI	FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directi-ve, Australian SMA, Taiwan EMC, Japan VCCI/MITI/Dentori

Footnotes

1 - Roll (Tilt): Controlled by rotating the wrist clockwise or counterclockwise
2 - Pitch: Controleed by dropping or raising the wrist
3 - Skew (Yaw): Controlled by rotating the wrist from left to right or vice versa
4 - LED lighting with high AC ripple content can impact scanning performance

Markets and Applications

Industries

• Retail

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