Zebra LS4208

Handheld scanner

Increase performance with Zebra's next-generation scanner for customers who value productivity

With the LS4208 handheld laser bar code scanner, you're able to effortlessly speed throughput, even with bar codes in poor condition. Wherever you need to quickly capture and process data — such as at the retail checkout counter, and in light warehouse environments — this ergonomically designed scanner helps you increase accuracy, improve productivity, cut maintenance costs and reduce the risk of downtime.

Benefit from innovative features never before delivered by a single scanner

The LS4208 delivers intuitive, productivity enhancing functionality that allows even your novice users to quickly capture data. Its innovative multi-line rastering scan pattern virtually eliminates the need for end-user training, and lets you scan all types of one-dimensional (1D) bar codes, including damaged symbols or stacked GS1 DataBar bar codes. The PDF configuration expands the decoding capabilities to include PDF417, microPDF and composite symbologies. In addition, the scanner's 19-inch scanning range and superior motion tolerance gives users greater flexibility to rapidly and accurately capture data from a variety of items without pausing between scans, while recently added faster scanning and decoding capabilities mean employees are able to process more items more rapidly and spend less time keying in data.

Minimize your chances of downtime

Designed for constant, rigorous use in retail, office and light industrial settings, the LS4208 provides you with reliability you'll be able to depend on. Along with a 6 ft. drop spec that allows the scanner to keep on running even after dropped repeatedly to concrete, the LS4208 also offers single circuit-board construction. By eliminating the failure points commonly found with interconnect ribbon cables, this unique design feature helps to lower your total cost of ownership.

Future-proof your investment

The LS4208 provides you with next generation technology today and the adaptability to meet your needs in the future. The scanner's multi-interface and universal cables enable connection to a variety of hosts, allowing you to easily update your systems. In addition, since the LS4208 is designed for the newest and emerging 1D symbologies such as GS1 DataBar bar codes, as well as PDF and other variants (PR configuration), you'll be able to continue using the same device for all your scanning requirements, even though your requirements may change.

Protect your investment with comprehensive services and support

Even the most durable scanners require a support plan. That's why Zebra's Services cover every aspect of your LS4208 — to ensure all of your support needs are met.

Zebra's Service from the Start Advance Exchange Support provides next-business-day delivery of a replacement device for true service peace of mind. This offer also includes our unique Comprehensive Coverage, which extends normal wear and tear to cover accidental damage to exit windows, scan elements and more at no extra charge — virtually eliminating your unforeseen repair expenses.

For more information about the LS4208, visit www.zebra.com/ls4208 or access our global contact directory at www.zebra.com/contact

FEATURES

1D, PDF and composite code scanning

Available in both 1D only (SR) and PDF/Composite (PR) configurations to support a wide range of productivity-enhancing applications

Multi-line rastering scan pattern

Improves productivity by reducing the need to rescan bar codes or key in data, resulting in shorter lines at the retail point of sale

Superior motion tolerance

Enables end users to quickly move from one bar code to the next without hesitation

Wide working range

Reads good quality as well as poor quality codes at similar ranges, reducing the need for the user to move the scanner back and forth

LS4208 Specifications

PHYSICAL CHARACTERISTICS

Dimensions:	6.7 in. H x 3.7 in. L x 2.7 in. W 17 cm H x 9.3 cm L x 6.8 cm W
Weight:	Approximately 6.4 oz. (181 g)
Voltage and current:	5 +/-10%VDC @ 140 mA (Stand by: <35 mA)
Color:	Cash Register White or Twilight Black

PERFORMANCE CHARACTERISTICS

Light source:	650 nm laser diode
Motor frequency:	50Hz
Decode rate:	200 decodes per second
Roll:[1]	± 35°
Pitch:[2]	± 60°
Yaw:[3]	± 60°
Print contrast:	25% minimum reflectance
Nominal working range:	See chart below
Multi-line aiming coverage:	At 5 in. distance: approx. 0.5 in. (1.3 cm) At 10 in. distance: approx. 1 in. (2.5 cm)
Motion tolerances:	Horizontal velocity: 200 in. (508 cm)/second Vertical velocity: 200 in. (508 cm)/second Angular velocity: 200 in. (508 cm)/second
Decode capability:	UPC/EAN and with supplementals, Code 39, Code 39 Full ASCII, Tri-optic Code 39, GS1 DataBar Variants, UCC/EAN 128, Code 128, Code 128 Full ASCII, Code 93, Codabar (NW1), Interleaved 2 of 5, Discrete 2 of 5 MSI, Codell, IATA, Bookland EAN, Code 32
Interfaces supported:	On-board multiple interface with: RS-232C (Standard, Nixdorf, ICL, & Fujitsu); IBM 468x/469x; Keyboard Wedge; USB (Standard, IBM SurePOS, Macintosh); Laser/Wand Emulation. In addition, Synapse Adaptive Connectivity allows for connectivity to all of the above plus many non-standard interfaces

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% (non-condensing)
Drop specs:	Withstands repeated 6 ft. (1.8m) drops to concrete
Ambient lighting tolerance:	Tolerant to typical artificial indoor and natural outdoor (direct sunlight) lighting conditions. Fluorescent, Incandescent, Mercury Vapor, Sodium Vapor, LED4: 450 Ft Candles (4,844 Lux) Sunlight: 8000 Ft Candles (86,111 Lux)
EAS support:	Optional Checkpoint EAS

REGULATORY

Electrical safety:	UL1950, CSA C22.2 No. 950, EN60950/IEC950
Laser safety:	CDRH Class II, IEC Class 2
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Australian SMA

ACCESSORIES

Mounting options:	Intellistand with adjustable height of 5 – 10 in. (12.7 – 25.4 cm) and adjustable angle (0° – 90°); Desktop and wall-mount holders also available
Power supplies:	Power supplies available for applications that don't supply power over the host cable

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the LS4208 handheld scanner products are warranted against defects in workmanship and materials for a period of five years from the date of shipment. The Liquid Polymer Scan Element includes a limited lifetime warranty. For the complete Zebra hardware product warranty statement, go to http://www.zebra.com/warranty

SERVICES AND SUPPORT

Service from the Start Advance Exchange Support

NOTICE: Repairs of this product may require the use of Zebra proprietary parts (and/or Zebra proprietary information). Zebra will sell these parts (and provide this proprietary information) only to end-user customers for self-service. It is Zebra's policy not to sell these parts to third-party service providers and not to allow a third-party service provider to act as an ordering or receiving agent for the parts necessary to repair this product. Applicable in the U.S. For all other countries, please contact your Zebra account manager or the local Zebra Customer Service representative in your area for further details.

1 - Roll (Tilt): Controlled by rotating the wrist clockwise or counterclockwise

2 - Pitch: Controlled 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

DEPTH OF FIELD		
Label Density	**LS4208**	
Paper Label	**English**	**Metric**
Code 39 - 5 mil	1.5 - 5.5"	3.81 - 13.97 cm
Code 39 - 10 mil	0.0 - 14"	0.00 - 35.56 cm
100% UPC /EAN - 13 mil	0.0 - 19.0"	0.00 - 48.25 cm
Code 39 - 20 mil	0.0 - 29.0"	0.00 - 73.66 cm

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Checkpoint Electronic Article Surveillance (EAS)

Offers dual functionality to improve return on investment and save critical counter space

Durable construction and patented, single circuitboard design able to withstand multiple 6-ft (1.8 m) drops to concrete

Lowers the total cost of ownership by protecting against downtime from accidental drops

Plug-and-play setup, intuitive scanning

Enables rapid deployment and immediate use without formal training, allowing new and experienced employees to immediately help improve operational efficiency

Remote management-ready

Reduces total cost of ownership by enabling remote, network-based device management

Optional hands-free Intellistand

Enables presentation scanning and automatic switching between handsfree and handheld modes

GS1 DataBar bar code support

Supports the latest symbologies to future-proof your investment

ZEBRA