LS4208

Handheld scanner

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

With Symbol's 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, in pharmacies and hospitals, 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 speed checkout lines and increase customer satisfaction rates at the retail point of sale, or quickly capture data in light warehouses and medical facilities. 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 reduced space symbology (RSS) bar codes. 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-foot 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

With the LS4208, Symbol has not only created a scanner able to provide you with next-generation technology today, but also will meet your needs even as they change. The scanner's multi-interface and universal cables let you connect it to a variety of hosts, allowing you to easily update your systems. And since the LS4208 is designed for the newest and emerging 1D symbologies such as RSS bar codes, you'll be able to continue using the same device for all your scanning requirements, even as your requirements change.

FEATURES	BENEFITS
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
Durable construction and patented, single circuit-board design able to withstand multiple 6-ft (1.8-m) drops to concrete	Lowers the total cost of ownership by protecting against downtime occurring due to accidental drops
Checkpoint Electronic Article Surveillance (EAS)	Offers dual functionality to improve return on investment and save critical counter space
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 hands-free and handheld modes
RSS bar code support	Supports the latest symbologies to future-proof your investment

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The Enterprise Mobility Company ™

Protect your productivity with comprehensive services and support

Even the most durable products need a support plan. That's why Symbol covers every aspect of your mobility solution — from network design to ongoing operations — providing the breadth and depth of coverage to ensure all of your services and support needs are met.

For the LS4208, Symbol offers its replacement services program, Advanced Exchange, to provide support beyond the scanner's standard five-year warranty. Advanced Exchange ensures next business day turnaround of a replacement unit, priority call response and escalation, as well as more comprehensive device coverage, including cosmetic repair and automatic application of engineering changes including no-fault, comprehensive coverage.

For more information about the LS4208, please visit us on the Web at **www.symbol.com/ls4208** or contact us at +1.800.722.6234 or +1.631.738.2400.

LS4208 specification highlights

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	+/- 35 degrees
Pitch	+/- 60 degrees
Yaw	+/- 60 degrees
Print contrast	25% minimum reflectance
Nominal working range	5 mil (Code 39): 1.5 to 5.5 in. (3.81 to 13.97 cm) 13 mil (100% UPC/EAN): 0 to 19 in. (0 to 48.25 cm) 10 mil (Code 39): 0 to 14 in. (0 to 35.56 cm) 20 mil (Code 39): 0 to 29 in. (0 to 73.66 cm)
Multi-line aiming coverage	At 5 in. reading distance: approximately 0.5 in. (1.3 cm) At 10 in. reading distance: approximately 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, RSS 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	LS 4208 features 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 temperature	32˚ to 122˚F (0˚ to 50˚C)
Storage temperature	-40˚ to 158˚F (-40˚ to 70˚C)
Humidity	5% to 95% (non-condensing)
Drop specifications	Withstands repeated 6-ft. (1.8-m) drops to concrete
Ambient light immunity	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting conditions
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 (accessories)	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 Symbol'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 Symbol hardware product warranty statement, go to: **http://www.symbol.com/warranty**

NOTICE: Repairs of this product may require the use of Symbol proprietary parts (and/or Symbol proprietary information). Symbol will sell these parts (and provide this proprietary information) only to end-user customers for self-service. It is Symbol'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 Symbol account manager or the local Symbol Customer Service representative in your area for further details.

About Symbol Technologies

Symbol Technologies, Inc., The Enterprise Mobility Company™, is a recognized worldwide leader in enterprise mobility, delivering products and solutions that capture, move and manage information in real time to and from the point of business activity. Symbol enterprise mobility solutions integrate advanced data capture products, radio frequency identification technology, mobile computing platforms, wireless infrastructure, mobility software and world-class services programs under the Symbol Enterprise Mobility Services brand. Symbol enterprise mobility products and solutions are proven to increase workforce productivity, reduce operating costs, drive operational efficiencies and realize competitive advantages for the world's leading companies. More information is available at **www.symbol.com**

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