



Symbol LS9203

Omni-directional presentation scanner



FEATURES

Electronic data capture technology

Eliminates manual effort and paper-based data collection errors, reducing costs related to inventory errors and shrinkage while also improving accuracy and speeding POS data collection

Omni-directional scan pattern

Speeds checkout times and frees employees to serve more customers

Flexible handheld or hands-free scanning

Saves employees time, lowers equipment costs and reduces injuries caused by heavy lifting

Durable design

Ensures reliable performance and investment protection by withstanding multiple drops to concrete

Improve operations with affordable advanced data capture

Easy to use, deploy and maintain, the Symbol LS9203 omni-directional presentation scanner from Motorola delivers a high-value choice for seamless integration of advanced data capture into your point-of-sale (POS) environment — at an affordable price. Designed to speed the checkout process for customers while improving sales tracking and inventory management, the Symbol LS9203 high-performance handheld and presentation scanning capability enables your POS employees to work faster and more accurately. And durable construction protects it from the shocks of heavy use, extending the life of your investment.

Reduce costs and streamline POS activity

The Symbol LS9203 helps you lower costs by eliminating the errors inherent with manual, paper-based sales and inventory tracking. You increase profitability by reducing pricing mistakes, minimizing shrinkage and providing better visibility into fundamental business processes. Because the Symbol LS9203 is both a handheld and a presentation scanner, your employees are able to quickly switch between hands-free and handheld mode to scan bar codes easily, maximizing their productivity. You also help reduce injuries, because your employees and customers don't

need to lift or maneuver heavy items for scanning. And the durable construction of the Symbol LS9203 means you'll avoid downtime resulting from equipment failure.

Use right out of the box

The Symbol LS9203 comes complete with cables, and in most cases, all you need to do is simply plug in the device. Any required customized configuration can be completed quickly and easily with a quick scan of a provided set of programming bar codes. Designed with multiple on-board interfaces and universal cables, the Symbol LS9203 provides flexible host connectivity and easy migration to new hosts — without requiring the replacement of scanners.

Enhance customer service

This easy-to-use scanner allows your employees to work more effectively with customers, no matter how long they've been on the job. Faster checkout, gives workers more time to assist customers. The small footprint leaves plenty of space at the register for "impulse purchase" displays to encourage additional sales. And, with the capability to more accurately track customer behavior, inventory management is improved, ensuring that the right product is stocked at the right time to protect against lost sales.

SPECIFICATION SHEET

SYMBOL LS9203
Omni-directional presentation scanner

“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

Multiple interfaces

Provides investment protection by permitting migration to new hosts without replacing scanners

Universal cables

Lowers total cost of ownership through easy replacement or upgrade; improved abrasion resistance in areas most likely to wear

Invest in a durable solution

Motorola is known worldwide for producing rugged, high-performance scanning devices. Advances in technology have allowed us to develop a widely affordable, durable scanner meeting our commitment to quality and performance. Built for long life in heavy day-to-day use, the Symbol LS9203 is equipped with internal shock mounts that enable it to withstand multiple drops onto concrete and comes with a stand that gives you more versatility and also extends the life of the scanner.

Eliminate worries with a full suite of services and support

Even the most durable products need a support plan. That's why Motorola covers every aspect of your mobility solution — from network design to ongoing

operations — providing unsurpassed breadth and depth of coverage to ensure all of your services and support needs are met. For the Symbol LS9203, Motorola offers two programs for replacement services beyond the standard warranty. Service from the Start – Bronze ensures three-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. Service from the Start – Advanced Exchange provides the same benefits as the Bronze program plus next business day delivery of a replacement unit.

For more information on the Symbol LS9203, please visit us on the Web at www.symbol.com/ls9203 or contact us at +1.800.722.6234 or +1.631.738.2400.

LS9203 Series Specifications

Physical Characteristics	
Dimensions: (without stand)	5.51 in. H x 3.49 in. W x 2.96 in. D 14 cm H x 8.86 cm W x 7.52 cm D
Dimensions: (with stand)	6.13 in. H x 3.93 in. W x 3.93 in. D 15.57 cm H x 9.98 cm W x 9.98 cm D
Weight:	Scanner only: 9.9 oz./282 g With stand: 12.2 oz./379 g
Power Source:	Depending on host: <ul style="list-style-type: none">• Host power• External power supply
Voltage ¹ :	5.0 VDC ± 10%
Nominal Current:	275 mA
Power:	1.4 watts
Mounting Options:	Fixed-mount stand
Color:	Twilight black
Performance Characteristics	
Light Source:	650 nm visible laser diode
Yaw Tolerance ² :	± 50°
Pitch Tolerance ² :	± 50°
Roll Tolerance ² :	0 to 360°
Print Contrast:	25% minimum reflective difference
Scan Patterns:	Omni-directional; 20 interlocking lines
Scan Rate:	1500 scans/second
Depth of Field:	0 to 8.5 in./0 to 21.6 cm @13 mil (100% UPC/EAN)
Nominal Working Range:	5 mil: (38%) 1 to 2.5 in./2.5 to 6.4 cm 7.8 mil: (60%) 0 to 6 in./0 to 15.2 cm 10.4 mil: (80%) 0 to 7.5 in./0 to 19 cm 13 mil: (100%) 0 to 8.5 in./0 to 21.6 cm

Width of Field:	1.6 in./40 mm @ face 6.42 in./163 mm @ 8.5 in.
Minimum Resolution:	5 mil
Decode Capability:	UPC/EAN/JAN, UPC/EAN w/ Supplementals, UCC/EAN128, Code 128, ISBT 128, Code 39, Trioptic Code 39, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Code 93, Code 11, Codabar, MSI, RSS 14, RSS Limited, RSS Expanded
Interfaces Supported:	USB, RS232, Keyboard Wedge and Wand
User Environment	
Operating Temp.:	32° to 104° F/0° to 40° C
Storage Temp.:	-40° to 158° F/-40° to 70° C
Humidity:	5% to 95% non-condensing
Ambient Light Immunity:	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting conditions. Fluorescent, incandescent, mercury vapor and sodium vapor: 450 ft-candles (4,844 lux) Sunlight: 8,000 ft-candles (86,111 lux)
Drop Spec.:	Withstands repeated 4 ft./1.2 m drops to concrete
Regulatory	
Electrical Safety:	Certified to UL 1950, CSA C22.2 No. 950
Laser Safety:	CDRH Class IIa Laser Product IEC 60825 Class 1 Laser Product Class IIa Laser Product: avoid long-term viewing of direct laser light
EMC	CISPRB, FCC B, EN60825

¹ - Does not include cable

² - Refers to 100% UPC bar code (80% contrast) located 4 in. (10cm) from the scanner nose



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Symbol LS9208i

Hands-free omni-directional presentation scanner



FEATURES

High-performance, 100-line rastering omni-directional scan pattern

Increased productivity for novice and expert users, resulting in shorter checkout lines, better customer service

Single line scan pattern

Perfect for reading bar code menus and pick lists

Remote scanner management (RSM)

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

High-performance optics

Delivers superior data capture, even on high density bar codes

Extra loud beeper (85dBA)

Confirms positive decode feedback in noisy environments

Multiple onboard interfaces

Flexible host connectivity protects your hardware investment

Universal cables

Allows for easy replacement and/or upgrades

Speed and versatility combine for increased productivity at checkout

The Symbol LS9208i presentation scanner from Motorola delivers both a high-performance processor and an innovative 100-line rastering omni-directional scan pattern for increased productivity at checkout, resulting in higher customer satisfaction. Built for both speed and versatility, the Symbol LS9208i features a small footprint, choice of colors and an optional, adjustable multi-mount stand that is easily adaptable to many point-of-sale environments. And, the extra loud beeper (85dBA) helps users ensure that the bar code has been read.

Flexibility to meet the needs of many applications

Capable of reading a wide range of bar codes – from 13 mil (100% UPC) to 4 mil (Code 39) – the Symbol LS9208i enables streamlining of a variety of everyday processes in retail and other environments. In retail operations, such as convenience, grocery, department and specialty stores, the scanner improves throughput at the checkout counter, instantly deactivates EAS security tags and can even help workers identify a product in the back room. In a drug store or pharmacy, the device can also be used to help meet regulatory requirements by verifying prescriptions and managing the administration associated with certain over-the-counter but controlled substances. Employees can quickly scan badges to track time and attendance. Since there is no need to orient the scanner and the bar code, even patrons in a library can scan books in and out — keeping checkout lines moving and check-in bins empty. And, the extra loud 85dBA beeper helps ensure positive user feedback in noisy environments.

Robust new features offer easy set up and reduced costs

With the 123Scan setup utility, programming and configuring the Symbol LS9208i is made easy and minimizes startup time wherever the scanner is used. The remote scanner management capability enables centralized, network-based scanner deployment and management, dramatically reducing costs. What's more, multiple onboard interfaces and universal cables further reduce your inventory requirements. For the most investment protection, the Symbol LS9208i also features built-in shock absorption that adds unmatched durability for a scanner in this class. The Symbol LS9208i offers premium features and powerful performance to help you save time and money.

Today's most advanced presentation scanner from a global leader

In many applications, the feature-rich Symbol LS9208i presentation scanner offers aggressive performance, maximum durability and optimal ergonomics to create a more productive POS environment. When you buy the Symbol LS9208i, you receive the added assurance of purchasing from Motorola — a company with proven solutions and millions of scanner installations worldwide.

To learn how the Symbol LS9208i presentation scanner can work for you, visit www.motorola.com/ls9208i, or access our global contact directory at www.motorola.com/enterprisemobility/contactus.

SPECIFICATION SHEET

SYMBOL LS9208i
Omni-directional presentation scanner

Symbol LS9208i Specifications

Small footprint

Fits into the tightest cash/wrap environment

Adjustable multimount stand

Optimize operator comfort and efficiency

Built-in shock absorption

Protects scan module assembly increasing durability

Flash memory

Facilitates updates and customization of product in the field

Checkpoint Electronic Article Surveillance (EAS) deactivation option

Integrated antenna saves valuable counter space

Supports 123Scan setup utility

Flexible setup using PC download

Reads GS1DataBar (formerly RSS)

Symbologies
Compatibility with new symbology leverages your hardware investment

Global Trade Item Number (GTIN) Compliant

Capable of decoding and transmitting 14-digit GTINs, where appropriate

Advanced Data Formatting (ADF)

Enables users to modify data prior to sending to host computer, eliminating costly modifications to the host software

Physical Characteristics

Dimensions: (without stand)	5.51 in. H x 3.49 in. W x 2.96 in. D 14 cm H x 8.8 cm W x 7.5 cm D
Dimensions: (w/ adjustable stand)	7.18 in. H x 4.83 in. W x 3.73 in. D 18.24 cm H x 12.27 cm W x 9.47 cm D
Weight:	Scanner only: 10.2 oz./320 g With adjustable stand: 21.5 oz./670 g
Power Source:	Depending on host: • Host power • External power supply
Voltage:	5.0 VDC \pm 10%
Nominal Current:	390 mA
Power:	2 watts
Mounting Options:	Adjustable multi-mount stand
Color:	Cash Register White or Twilight Black

Performance Characteristics

Light Source:	650 nm visible laser diode
Roll (Tilt) ¹ :	Omni-directional: 360° Single-scan line: \pm 40°
Pitch ² :	Omni-directional: \pm 50° Single-scan line: \pm 60°
Skew (Yaw) ³ :	Omni-directional: \pm 50° Single-scan line: \pm 50°
Print Contrast:	25% minimum reflective difference
Scan Patterns:	Omni-directional: 20 interlocking lines, 4 scan angles, 4 lines per angle rastering @ 5 Hz Single scan line capability
Scan Rate:	Omni-directional: 1500 scans/second Single scan line: 75 scans/second
Depth of Field:	0 to 9 in./0 to 22.9 cm @13 mil (100% UPC/EAN)
Nominal Working Range:	See chart below
Width of Field:	1.6 in./40 mm @ face 6.7 in./170 mm @ 9 in.
Minimum Resolution:	4 mil
Decode Capability:	UPC/EAN/JAN, UPC/EAN w/ Supplementals, UCC/EAN128, Code 128, ISBT 128, Code 39, Trioptic Code 39, Interleaved 2 of 5, Discrete 2 of 5, Code 93, Code 11, Codabar, MSI, GS1 DataBar (formerly RSS)
Interfaces Supported:	USB, RS232, IBM® 468X/9X, Keyboard Wedge, Wand and Synapse™ (allows connectivity to virtually every POS host type)

User Environment

Operating Temp.:	32° to 104° F/0° to 40° C
Storage Temp.:	-40° to 158° F/-40° to 70° C
Humidity:	5% to 95% non-condensing
Ambient Light Immunity:	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting conditions. Fluorescent, incandescent, mercury vapor and sodium vapor: 450 ft-candles (4,844 lux) Sunlight: 8,000 ft-candles (86,111 lux)
EAS Support:	Optional Checkpoint Electronic Article Surveillance EAS

Regulatory

Electrical Safety:	Certified to UL 1950, CSA C22.2 No. 950 EN60825
Laser Safety:	CDRH Class IIa Laser Product IEC 60825 Class 1 Laser Product
EMC	CISPR B, FCC B

Warranty

The Symbol LS9208i omni-directional scanner is warranted against defects in workmanship and materials for a period of 30 months from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. See the complete warranty for details.

1. Roll (Tilt): Controlled by rotating the wrist clockwise or counter-clockwise
 2. Pitch Controlled by dropping or raising the wrist
 3. Skew (Yaw): Controlled by rotating the wrist from left to right or vice versa
- The above performance characteristics refer to 100% UPC bar code at 80% contrast located at 4 in./10 cm from nose of the scanner.

LS9208i Decode Zone

Label Density	Depth of Field	
	LS9208i	
Paper Label	English	Metric
4 mil - Code 39	1.0" - 2"	2.5 - 5.1cm
5 mil - Code 39	1.0" - 3"	2.5 - 7.6cm
7.8 mil - 60% UPC	0.0" - 6"	0.0 - 15.2cm
10.4 mil - 80% UPC	0.0" - 7"	0.0 - 17.8cm
13 mil - 100% UPC	0.0" - 8.5"	0.0 - 21.6cm



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