

# LS9203

## Omni-directional presentation scanner

### DATA SHEET

### Improve operations with affordable advanced data capture

Easy to use, deploy and maintain, Symbol's LS9203 omni-directional presentation scanner gives you a high-value choice for seamlessly integrating 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 — LS9203's 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 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 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 LS9203 means you'll avoid downtime resulting from equipment failure.

### Use right out of the box

When you order the LS9203, you get a kit containing all the cables, setup and operating information you need to get started. In many cases, you simply take the LS9203 out of the box, plug it in and it works. If customized configuration is required, you're able to quickly and easily program the device by scanning a provided set of programming bar codes. The LS9203 is designed with multiple on-board interfaces and utilizes Symbol's Universal Cables, providing you with flexible host connectivity and easy migration to new hosts, without requiring that you replace your scanners.

### Enhance customer service

The LS9203 is extremely easy to learn and use, so your employees work more effectively with customers, no matter how long they've been on the job. You enhance service by speeding checkout, which also gives employees more time to spend helping customers. The LS9203's small footprint leaves you enough space to set up "impulse purchase" displays to encourage additional sales. And, with the capability to more accurately track customer behavior, you improve inventory management and ensure you have in stock the products your customers want when they want them.



#### FEATURES

#### BENEFITS

##### 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 speed collecting POS data

##### Omni-directional scan pattern

Speeds checkout times and frees employees to serve more customers

##### 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

##### "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

##### Uses Symbol's Universal Cables

Lowers total cost of ownership through easy replacement or upgrade

## Invest in a durable solution

Symbol 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 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 Symbol 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 LS9203, Symbol offers two programs for replacement services beyond the standard warranty. Service from the Start—Bronze ensures three-day turn around 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.

<sup>1</sup> Does not include cable.

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

## LS9203 specification highlights

### 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: • Host power • External power supply
Voltage <sup>1</sup>	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 (typical) <sup>2</sup>	± 50°
Pitch tolerance (typical) <sup>2</sup>	± 50°
Roll tolerance (typical) <sup>2</sup>	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 with Supplementals, UCC/EAN 128, 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, RS 232, Keyboard Wedge and Wand

### User environment

Operating temperature	32° to 104°F (0° to 40°C)
Storage temperature	-40° to 158°F (-40° to 70°C)
Humidity	5% to 95% (noncondensing)
Drop specifications	Withstands repeated 4-ft. (1.2-m) drops to concrete
Ambient light immunity	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting conditions. Fluorescent, incandescent, mercury vapor and sodium vapor: 450 foot-candles (4,844 lux) Sunlight: 8,000 foot-candles (86,111 lux)

### 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	CISPR B, FCC B, EN60825

### Warranty

The Symbol LS9203 is warranted against defects in workmanship and materials for a period of two years (24 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.

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](http://www.symbol.com)



Corporate Headquarters  
**Symbol Technologies, Inc.**  
One Symbol Plaza  
Holtsville, NY 11742-1300  
TEL: +1.800.722.6234/+1.631.738.2400  
FAX: +1.631.738.5990

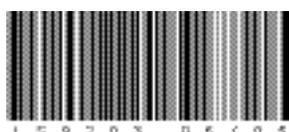
For Asia Pacific Area  
**Symbol Technologies Asia, Inc.**  
(Singapore Branch)  
Asia Pacific Division  
230 Victoria Street #12-06/10  
Bugis Junction Office Tower  
Singapore 188024  
TEL: +65.6796.9600  
FAX: +65.6796.7199

For Europe, Middle East and Africa  
**Symbol Technologies**  
EMEA Division  
Symbol Place, Winners Triangle  
Berkshire, England RG41 5TP  
TEL: +44.118.9457000  
FAX: +44.118.9457500

For North America, Latin America and Canada  
**Symbol Technologies**  
The Americas  
One Symbol Plaza  
Holtsville, NY 11742-1300  
TEL: +1.800.722.6234/+1.631.738.2400  
FAX: +1.631.738.5990

### Symbol Web site

For a complete list of Symbol subsidiaries and business partners worldwide, contact us at:  
[www.symbol.com](http://www.symbol.com)  
Or contact our pre-sales team at:  
[www.symbol.com/sales](http://www.symbol.com/sales)



Specifications are subject to change without notice. Symbol® is a registered trademark, and The Enterprise Mobility Company is a trademark of Symbol Technologies, Inc. All other trademarks and service marks are proprietary to their respective owners.

For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.

Part No. LS9203 Printed in USA 05/05 © 2005 Symbol Technologies, Inc. Symbol is an ISO 9001 and ISO 9002 UKAS, RVC and RAB Registered company, as scope definitions apply.