



# Symbol LS7808

## Horizontal slot scanner



### FEATURES

#### Improved software algorithms

Reconstructs poorly printed or damaged bar codes for superior first-pass read rates

#### Omni-directional scan pattern

Enables cashiers to quickly scan bar codes regardless of orientation to the scanner

#### Large 5 in./12.7 cm by 5 in./12.7 cm removable scanning window

Easy to scan products; easy to remove for cleaning or replacement

#### Secondary scanner port for handheld scanner

Eliminates the need for the customer or cashier to lift heavy items onto the counter; helps reduce workplace injuries

### Exceptional scanning performance keeps customer lines moving

The advanced Symbol LS7808 horizontal slot scanner from Motorola delivers exceptionally high first-pass read rates for faster checkout times — and better customer service. The Symbol LS7808 represents the latest development in our three-decade leadership in designing bar code scanners and our pioneering work in horizontal slot scanner technologies. The omni-directional scan pattern reads the bar code regardless of orientation, eliminating the need to precisely align products to the scanner. Advanced software algorithms reconstruct poorly printed and damaged codes, further increasing performance and speeding customers through the point of sale. Since the Symbol LS7808 easily fits into preexisting counter cut-outs for the Symbol LS5800, upgrading is easy and cost-effective. And the hands-free design and large scan window enable your cashiers to stay focused on your customers, instead of the products they are scanning — enabling high levels of personalized service.

### Maximize cashier productivity

Optimized for demanding, high-turnover retail environments, the Symbol LS7808 is easy to install and easy to use. Even inexperienced cashiers can begin scanning quickly due to the flush mounted, in-counter design and large omni-directional scanning window. Intuitive scanning requires

little training; just move the products past the window and go. Large, bulky items in the cart can be scanned quickly and safely using an optional secondary handheld scanner, minimizing the need for customers or cashiers to lift heavy items onto the counter. And integrated Electronic Article Surveillance (EAS) functionality further increases cashier productivity, enabling cashiers to scan once to simultaneously capture the bar code and deactivate the EAS tag.

### Built-in investment protection

We've laid the groundwork for the future with broad support for 1D bar code symbologies and host systems, providing the investment protection you need to ensure that the Symbol LS7808 can be used in your environment today — as well as tomorrow. Onboard support for multiple interfaces, a standard feature, allows you to use your scanner with many different types of POS hosts for seamless integration now, as well as painless migration to new systems in the future. Comprehensive support for 1D bar codes — including Reduced Space Symbology (RSS), ideal for perishable items such as produce and meat as well as store coupons — ensures the ability to scan virtually any product now, and in the future. We back up our leading scanner design with a full 3-year warranty. And to help protect your investment, Motorola Global Services offers Service from the Start with Comprehensive Coverage for the Symbol LS7808. This unique

## SPECIFICATION SHEET

SYMBOL LS7808  
Horizontal slot scanner

### Standard Electronic Article Surveillance (EAS) deactivation

Bundles checkout and EAS functions so the cashier can scan once to capture bar codes and deactivate EAS tags simultaneously

### Designed as a replacement for LS5800

Easy to install into standard counter cut-outs; mounts flush with countertop to free up space at the point of sale; leverages lessons learned from the LS5800's decade of deployment to provide the highest levels of durability and reliability

### On-board support for multiple POS interfaces including Keyboard Wedge, RS232, USB, IBM and Motorola's Synapse

Eliminates need to replace scanner if host system is upgraded

### Reduced Space Symbology (RSS) support

Support for this newer standard enhances future proofing

### 3-year warranty

Provides the highest level of warranty support in the slot scanner class

service goes far beyond normal wear and tear to include accidental damage to exit windows, scan elements and more at no additional charge — virtually eliminating unforeseen repair expenses. On-site options are also available, providing maximum response and minimum service interruption.

For more information on how the Symbol LS7808 can enhance customer satisfaction by increasing cashier productivity and speeding service at the point of sale, visit us on the web at [www.motorolasolutions.com/LS7808](http://www.motorolasolutions.com/LS7808)

## Symbol LS7808 Specifications

### Physical Characteristics

Dimensions:	6 in. W x 6 in. L x 3.1 in. H 152 mm W x 152 mm L x 79 mm H
Weight:	1.9 lbs/0.85 kg
Voltage and Current:	5.0 Volts ± 5% @ 450mA (Nominal)
Light Source:	670 nm visible laser diode

### Performance Characteristics

Scan Pattern:	18 interlocking scan lines
Scan Rate:	1,800 scan lines per second
Motor Speed:	5,500 RPM
Depth of Field:	0 to 6 in./0 to 15cm, UPC/EAN 100%
Min. Resolution:	5 mil
Typical Working Range:	5 mil: (38%) 0 – 0.5 in. / 1.27 cm 7.8 mil: (60%) 0 – 4 in. / 10.16 cm 10.4 mil: (80%) 0 – 5 in. / 12.7 cm 13 mil: (100%) 0 – 7 in. / 17.78 cm
Decode Capability:	UPC-A, UPC-E, UPC-E1, EAN 8/13, JAN 8/13, UPC/EAN with Supplementals, Code 39, Code 39 Full ASCII, Interleaved 2 of 5, Discrete 2 of 5, Code 128, UCC/EAN 128, ISBT 128, Codabar/NW7, Code 93, Code 11, RSS Variants

Interfaces Supported:	Each Symbol LS7808 features on-board multiple interface supporting: RS-232C (Standard, Nixdorf, ICL, & Fujitsu); IBM 468X/469X; Keyboard Wedge; USB (Standard, IBM SurePOS, Macintosh); Synapse (allows for connectivity to all of the above plus many non-standard interfaces)
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Roll:	360°
Pitch:	-30° to 60°
Yaw:	± 45°
Min Bar Code Width:	0.127 mm (5mil)

### User Environment

Operating Temp.:	32° to 104° F/0° to 40° C
Storage Temp.:	-40° to 140° F/-40° to 60° C
Humidity:	5% to 95%, non-condensing
Ambient Lighting Tolerance:	Tolerant to typical artificial indoor and natural outdoor (direct sunlight) lighting conditions. Fluorescent, Incandescent, Mercury Vapor, Sodium Vapor, LED <sup>1</sup> : 450 Ft Candles (4,844 Lux) Sunlight: 8000 Ft Candles (86,111 Lux)
EAS Support:	All units provide connectivity to Checkpoint Electronic Article Surveillance (EAS)

### Regulatory

Electrical Safety:	UL 60950-1, CSA C22.2 No. 60950-1, EN 60950-1, IEC 60950-1
Laser Safety:	21CFR1040.10 Class IIa, EN 60825-1, IEC60825-1 Class1
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, EN 55022 Class B, EN 55024
Environmental:	RoHS compliant, 2005 Sunrise compliant, WEEE compliant

### Accessories

Mounting:	Stainless steel in-counter mounting bracket
Other:	Replacement glass and bezel (standard glass only)

### Warranty

Subject to the terms of Motorola's hardware warranty statement, the Symbol LS7808 is warranted against defects in workmanship and materials for a period of three (3) years from the date of shipment. For the complete Motorola hardware product warranty statement, go to: [www.motorolasolutions.com/warranty](http://www.motorolasolutions.com/warranty)

1 - LED lighting with high AC ripple content can impact scanning performance



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