

# LS7808

## HORIZONTAL MINI-SLOT SCANNER

### Exceptional scanning performance keeps customer lines moving

The advanced LS7808 horizontal mini-slot scanner from Symbol Technologies delivers exceptionally high first-pass read rates for faster checkout times — and better customer service. The LS7808 represents the latest development in our three-decade leadership in designing bar code scanners and our pioneering work in horizontal mini-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 LS7808 easily fits into preexisting counter cut-outs for the 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 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 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



#### FEATURES

#### BENEFITS

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
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 Symbol'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 mini-slot scanner class

scanner design with a full 3-year warranty. And because even the most intelligent products require a maintenance plan and a support strategy, Symbol offers Service from the Start and Service Center Support agreements for the LS7808. Purchased up front with the hardware, Service from the Start is a prepaid program that offers rapid repair and seamless support to help you protect your investment and maintain peak performance.

For more information on how the LS7808 can enhance customer satisfaction by increasing cashier productivity and speeding service at the point of sale, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at: [www.symbol.com/LS7808](http://www.symbol.com/LS7808)

## LS7808 Specification Highlights

### 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: (Nominal)	5.0 Volts ± 5% @ 450mA
Light Source:	670 nm visible laser diode
<b>Performance Characteristics</b>	
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%
Minimum 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 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)
Roll:	360°
Pitch:	-30° to 60°
Yaw:	+/- 45°
Minimum Bar Code Width:	0.127 mm (5mil)

### User Environment

Operating Temperature:	32° to 104° F/0° to 40° C
Storage Temperature:	-40° to 140° F/-40° to 60° C
Humidity:	5% to 95%, non-condensing
Ambient Light Immunity:	Up to 450 ft. candles/4,844 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 (Accessories):	Stainless steel in-counter mounting bracket
Other:	Replacement glass and bezel (standard glass only)

### Warranty

Subject to the terms of Symbol's hardware warranty statement, the LS7808 is warranted against defects in workmanship and materials for a period of three (3) years from the date of shipment.

For the complete Symbol hardware product warranty statement, go to: <http://www.symbol.com/warranty>

## 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. 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)



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