



ZEBRA

# Symbol LS2208

## OUR BEST SELLING HANDHELD LASER SCANNER

With over eight million sold, the LS2208 remains our best selling handheld laser scanner. The LS2208 has it all — enterprise class scanning in a very ergonomic and durable lightweight design that delivers all day comfort, an extra-long read range for easy scanning, plus support for everyday 1D bar codes, including high-density. With multiple interfaces, a universal cable and support for keyboards in 97 languages, the LS2208 delivers plug-and-play simplicity in virtually every corner of the world. The LS2208 — the well-proven scanner powering the checkout lines all around the world.



### Durable construction

With its patented single board construction, patented frictionless liquid polymer scan element, scratch resistant tempered glass exit window and a stringent drop and tumble specification, the LS2208 delivers reliable all-day, every day operation.

### Capture high-density bar codes for greater application flexibility

With just one scanner, you can capture the high density bar codes common on small items.

### Deploy in every corner of the world

With support for 97 international keyboards, the LS2208 is ready for operation in your country, right out of the box.

### Class-leading working range

Workers can capture everyday 13 mil UPC bar codes on items that are over 25 in./63.5 cm away, improving productivity and the customer checkout experience.

### More decode feedback options

Choose from a variety of options to indicate the successful capture of a bar code: the Direct Decode Indicator (a blinking laser line), a beep tone, a red/green LED indicator — or any combination of the three.

### All day comfort your workers can count on

The well-proven ergonomic and lightweight balanced design provides maximum comfort, even in the most scan intensive environments. The result? Reduced user fatigue and increased worker productivity.

### Flexible handheld or hands-free operation

The optional Intellistand™ enables presentation scanning and allows workers to automatically switch between hands-free and handheld modes in the time it takes to drop the LS2208 into the stand.

### Multiple interfaces

No matter what host you need to connect to today or tomorrow, the future proof LS2208 is ready.

### Truly plug-and-play

The universal cable connects to any computing environment, practically eliminating setup and training time.

### Advanced Data Formatting (ADF)

Format data properly before it is sent to your host computer, eliminating the costly modification of host software.

**PUT OUR BEST SELLING LASER SCANNER TO WORK IN YOUR CHECKOUT LINES.**

FOR MORE INFORMATION, VISIT [WWW.ZEBRA.COM/LS2208](http://WWW.ZEBRA.COM/LS2208)

**SPECIFICATION SHEET**

SYMBOL LS2208 GENERAL PURPOSE SCANNER

# LS2208 Specifications Chart

PHYSICAL CHARACTERISTICS	
<b>Dimensions</b>	6.0 in. H x 2.5 in. W x 3.3 in. D 15.2 cm. H x 6.4 cm. W x 8.5 cm. D
<b>Weight</b>	5.3 oz./150.0 g
<b>Input Voltage Range</b>	4.5 to 5.5 VDC host powered; 4.5 to 5.5 VDC external power supply
<b>Operating Current at Nominal Voltage (5.0V)</b>	175 mA (typical)
<b>Standby Current (idle) at Nominal Voltage (5.0V)</b>	90 mA (typical)
<b>Color</b>	Cash Register White, Twilight Black
<b>Supported Host Interfaces</b>	USB, RS232, Keyboard Wedge, TGCS (IBM) 46XX over RS485
<b>Keyboard Support</b>	Supports over 90 international keyboards
<b>User Indicators</b>	Direct decode indicator, good decode LEDs, beeper (adjustable tone/volume)

PERFORMANCE CHARACTERISTICS	
<b>Light Source</b>	650 nm Laser Diode Class 2
<b>Scan Pattern</b>	Single line
<b>Scan Speed</b>	100 scans per second
<b>Scan Angle</b>	35°
<b>Minimum Print Contrast</b>	20% minimum reflective difference
<b>Skew Tolerance</b>	± 10°
<b>Pitch Tolerance</b>	± 65°
<b>Roll Tolerance</b>	± 60°

USER ENVIRONMENT	
<b>Operating Temperature</b>	32° to 122° F/0° to 50° C
<b>Storage Temperature</b>	-40° to 158° F/-40° to 70° C
<b>Humidity</b>	5% - 95% RH, non-condensing
<b>Drop Specification</b>	Designed to withstand multiple drops at 5.0 ft./1.5 m to concrete
<b>Tumble Specification</b>	Designed to withstand 500 tumbles in 1.64 ft./0.5 m tumbler
<b>Environmental Sealing</b>	IP30
<b>Electrostatic Discharge (ESD)</b>	ESD per EN61000-4-2, +/-15 KV Air, +/-8 KV Direct, +/-8 KV Indirect
<b>Ambient Light Immunity</b>	0 to 8,000 Foot Candles / 0 to 86,080 Lux; tolerant to typical artificial indoor and natural outdoor (direct sunlight) lighting conditions; Fluorescent, Incandescent, Mercury Vapor, Sodium Vapor, LED4: 450 Ft. Candles (4,844 Lux) Sunlight: 8000 Ft. Candles (86,111 Lux)

SYMBOL DECODE CAPABILITY	
<b>Scanning Technology</b>	Code 39, Code 128, Code 93, Codabar/NW7, Code 11, MSI Plessey, UPC/EAN, I 2 of 5, Korean 3 of 5, GS1 DataBar, Base 32 (Italian Pharma). Refer to Product Reference Guide for complete list of symbologies.
<b>Minimum Element Resolution</b>	Code 39: 3.0 mil

ACCESSORIES	
Gooseneck Intellistand	
REGULATORY	
<b>Electrical Safety</b>	EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + AC 2011; IEC 60950-1: 2005 + A1: 2009; UL 60950-1, second edition; CAN/CSA-C22.2 No. 60950-1-07
<b>EMI/RFI</b>	FCC 47 CFR Part 15, Subpart B, Class B; ICES-003 Issue 4, Class B; Compliant with EMC Directive 2004/108/EC
<b>Laser Safety</b>	CDRH Class II; IEC Class 2
<b>Environmental</b>	Compliant with RoHS Directive 2011/65/EU; EN 50581: 2012

Visit [www.zebra.com/ls2208](http://www.zebra.com/ls2208) for complete regulatory information. For countries outside USA, Canada, European Economic Area or Australia, consult your local Zebra representative.

UTILITIES AND MANAGEMENT	
<b>123Scan?</b>	Programs scanner parameters, upgrades firmware, provides scanned bar code data and prints reports. For more information, visit <a href="http://www.zebra.com/123Scan">www.zebra.com/123Scan</a>
<b>Symbol Scanner SDK</b>	Generates a fully-featured scanner application, including documentation, drivers, test utilities and sample source code. For more information, visit <a href="http://www.zebra.com/windowsSDK">www.zebra.com/windowsSDK</a>
<b>Scanner Management Service (SMS)</b>	Remotely manages your Zebra scanner and queries its asset information. For more information, visit <a href="http://www.zebra.com/sms">www.zebra.com/sms</a>

WARRANTY	
Subject to the terms of Zebra's hardware warranty statement, the LS2208, is warranted against defects in workmanship and materials for a period of five years from the date of shipment. Limited lifetime warranty on the scan element. Complete Zebra hardware product warranty statement: <a href="http://www.zebra.com/warranty">www.zebra.com/warranty</a>	

RECOMMENDED SERVICES	
Zebra <i>OneCare</i> Select; Zebra <i>OneCare</i> Service Center Select	

DECODE RANGES (TYPICAL*)		
Symbology/Resolution	Near/Far	
Code 39: 3 mil	1.6 - 4.8 in./4.1 - 12.2 cm	
Code 39: 4 mil	1.3 - 8.7 in./3.3 - 22.1 cm	
Code 39: 5 mil	0.9 - 11.7 in./2.3 - 29.7 cm	
Code 39: 7.5 mil	0.1 - 19.1 in./0.3 - 48.5 cm	
Code 39: 20 mil	0 - 33.8 in./0 - 85.9 cm	
Code 39: 40 mil	1 - 43.1 in./2.5 - 109.5 cm	
UPC: 13 mil (100%)	0 - 25.1 in./0 - 63.8 cm	

\* Printing resolution, contrast and ambient light dependent.

## THE LS2208 IS AT HOME IN...

### Retail

- Point of Sale (PoS)
- In-store inventory tracking
- 1D loyalty card processing
- 1D paper coupon redemption

### Education

- Library book checkout
- Inventory and asset tracking



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