

LS2208 SPECIFICATIONS

Physical Characteristics

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

Performance Characteristics

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

Roll Tolerance
± 60°

User Environment

Operating Temperature
32° to 122° F/0° to 50° C
Storage Temperature
-40° to 158° F/-40° to 70° C
Humidity
5% - 95% RH, non-condensing
Drop Specification
Designed to withstand multiple drops at 5.0 ft./1.5 m to concrete
Tumble Specification
Designed to withstand 500 tumbles in 1.64 ft./0.5 m tumbler
Environmental Sealing
IP30
Electrostatic Discharge (ESD)
ESD per EN61000-4-2, +/-15 KV Air, +/-8 KV Direct, +/-8 KV Indirect
Ambient Light Immunity
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

Scanning Technology
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.
Minimum Element Resolution
Code 39: 3.0 mil

Accessories

Gooseneck Intellistand

Regulatory

Electrical Safety
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
EMI/RFI
FCC 47 CFR Part 15, Subpart B, Class B; ICES-003 Issue 4, Class B; Compliant with EMC Directive 2004/108/EC
Laser Safety
CDRH Class II, IEC Class 2

Environmental

Compliant with RoHS irective 2011/65/EU; EN 50581: 2012

Visit 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**123Scan2**

Programs scanner parameters, upgrades firmware, provides scanned bar code data and prints reports. For more information, visit www.zebra.com/123Scan

Symbol Scanner SDK

Generates a fully-featured scanner application, including documentation, drivers, test utilities and sample source code. For more information, visit www.zebra.com/windowsSDK

Scanner Management Service (SMS)

Remotely manages your Zebra scanner and queries its asset information. For more information, visit www.zebra.com/sms

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: www.zebra.com/warranty

Recommended Services

Zebra OneCare Select; Zebra OneCare 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.	