

**Handheld and hands-free modes**

Dual mode functionality saves time; keeps lines moving and minimizes wait times; eliminates the need to lift heavy items, reducing the opportunity for injury

**Picklist mode**

Select and scan a single bar code from a bar code menu or “picklist” — ideal for items that are too small for bar code labels such as nuts and bolts in a hardware store to tiny cosmetic brushes

**Driver’s license parsing (optional)**

Captures the information you specify from driver’s licenses to enable fast auto-population of loyalty and credit card applications, increasing enrollment

**Multi-code mode**

Allows simultaneous scanning of a group of bar codes and reports only the selected bar code(s) in a pre-selected order.

**Industry-first spherical exit window**

Improves scanning performance by minimizing stray light and reducing reflections to the imaging sensor

**Dual LEDs plus programmable beeper volume, frequency and duration**

Protects productivity in noisy environments, such as theaters, airports and restaurants by providing both visual and audible confirmation of successful scans; convenient side trigger allows users to adjust beeper volume on-the fly

manage a standalone EAS system. Simplify and reduce the cost of managing your DS9208 scanners with two Motorola scanner management tools, RSM and 123Scan<sup>2</sup>. And with our unique support program,

Service from the Start Advance Exchange Support, you can count on next-business-day device replacement — no questions asked — providing the uptime you need to keep business running smoothly.

For more information on how the DS9208 can benefit your business, please visit us on the web at [www.motorola.com/DS9208](http://www.motorola.com/DS9208) or access our global contact directory at [www.motorola.com/enterprisemobility/contactus](http://www.motorola.com/enterprisemobility/contactus)

**SPECIFICATIONS CHART**

**PHYSICAL CHARACTERISTICS**

Dimensions	5.512 in. H x 3.232 in. W x 3.150 in. D 14.0 cm H x 8.21 cm W x 8.0 cm D
Weight	9.5 oz./269 g
Voltage and Current	Idle: 5 ± 10% VDC @ 150ma average Scanning: 5 ± 10% VDC @ 230ma average
Color	Midnight Black

**PERFORMANCE CHARACTERISTICS**

Light Source	Aiming pattern: single dot, 625nm LED Illumination: 630nm LEDs
Imager Field of View	46° Horizontal x 29.5° Vertical
Roll	360°
Pitch	± 65°
Yaw	± 60°
Swipe Speed (Vertical Read Rate)	Up to 90 in./2.3 m per second

**SYMBOLGY DECODE CAPABILITY**

1-D	UPC/EAN (UPCA/UPCE/UPCE1/EAN-8/ EAN-13/JAN-8/JAN-13 plus supplementals, ISBN (Bookland), ISSN, Coupon Code), Code 39 (Standard, Full ASCII, Trioptic, Code 32 (Italian Pharmacode), Code 128 (Standard, Full ASCII, UCC/EAN-128, ISBT-128 Concatenated), Code 93, Codabar/ NW7, 2 of 5 (Interleaved 2 of 5, Discrete 2 of 5, IATA, Chinese 2 of 5, Matrix 2 of 5, Code 11), MSI Plessey, GS1 DataBar (Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked)
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PDF417 (and variants)	PDF417 (Standard, Macro), MicroPDF417 (Standard, Macro), Composite Codes (CC-A, CC-B, CC-C)
2-D	TLC-39, Aztec (Standard, Inverse), MaxiCode, DataMatrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse, Micro)
Postal	U.S. Postnet and Planet, U.K. Post, Japan Post, Australian Post, Netherlands KIX Code, Royal Mail 4 State Customer, UPU FICS 4 State Postal, USPS 4CB

Nominal Working Range	
Code 39 – 5 mil:	0 – 4.5 in. (0 – 11.4 cm)
UPC/EAN – 10 mil (80%):	0 – 8.5 in. (0 – 21.6 cm)
UPC/EAN – 13 mil (100%):	0 – 10.5 in. (0 – 26.7 cm)
PDF417 – 6.6 mil:	0 – 3.8 in. (0 – 9.6 cm)
Datamatrix – 10 mil:	0 – 4.7 in. (0 – 11.9 cm)

Minimum Resolution	Code 39 – 4 mil UPC – 7.8 mil (60%) PDF417 – 5 mil Datamatrix – 7.5 mil QR Code – 7.5 mil
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**IMAGING CHARACTERISTICS**

Graphics Format Support	Images can be exported as Bitmap, JPEG or TIFF
Image Transfer Speed	USB 2.0: Up to 12 Megabits/second RS-232: Up to 115 kb/second
Image Transfer Time	Typical USB application is ~0.2 seconds with a compressed JPEG of 100kb
Image Quality	120 PPI on a 4 x 6 in./10.2 x 15.2 cm document @ 4.7 in./11.9 cm

## SPECIFICATIONS CHART (continued)

### USER ENVIRONMENT

Operating Temp.	32° F to 104° F / 0° to 40° C
Humidity	5% to 85% RH (non-condensing)
Drop Spec	Withstands multiple 5 ft./1.5 m drops to concrete
Sealing	IP50
Ambient Light Immunity	Immune to natural and artificial ambient light (i.e. sunlight, incandescent, fluorescent, mercury vapor, sodium vapor)

### INTERFACES

Interfaces Supported	USB, RS-232, RS-485 (IBM 46xx Protocols), Keyboard Wedge
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### REGULATORY

Electrical Safety	UL6950-1, CSA C22.2 No. 60950-1:2nd ed., EN60950-1: 2nd ed. + A11: 2009 IEC60950-1: 2nd ed.
LED Safety	IEC / EN 60825-1: 2001 Class 1M LED, EN 62471: 2008 IEC 62471: 2006

EMI/RFI	FCC CFR47 Part 15 Class B: 2007, ICES-003 Issue 4 :2004 Class B, EN 55022: 2006 + A1: 2007, EN 55024: 1998 +A1: 2001 + A2: 2003 AS/NZS CISPR22:2006, VCCI:2007
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Environmental	Compliant with RoHS Directive 2002/95/EC
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### OPTIONS

Electronic Article Surveillance	Compatible with Checkpoint EAS deactivation systems
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Accessories	Wall mount bracket; locking mount bracket
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### WARRANTY

Subject to the terms of Motorola's hardware warranty statement, the DS9208 is warranted against defects in workmanship and materials for a period of 3 years from the date of shipment. For the complete Motorola hardware product warranty statement, go to: <http://www.motorola.com/warranty>

### RECOMMENDED SERVICES

Support Services	Service from the Start Advance Exchange Support
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### Omnidirectional scanning

Eliminates the need to align bar code and scanner

### Lightweight ergonomic 'sure grip' design

A secure grip helps prevent drops when utilized in handheld mode

### Supports all common interfaces

Easy integration with your existing technology environment; easily migrate to new hosts

### 5 ft./1.5 m drop spec and recessed exit window

Increased durability: can endure drops; prevents nicks and scratches on the exit window that could degrade performance

### Integrated EAS support (optional)

Eliminates the need to purchase and maintain an additional system at the register; simplifies the checkout processes; eliminates missed tags, erroneous alarms and embarrassed customers

### Integrated adjustable stand

Eliminates the need to purchase and manage separate accessories

### Compatible with 123Scan<sup>2</sup> and Remote Scanner Management (RSM)

Reduces management time and cost, from initial configuration to day-to-day management