



# MOTOROLA 1D9208

## OMNIDIRECTIONAL HANDS FREE 1D PRESENTATION SCANNER

### IMPROVE OPERATIONS WITH AFFORDABLE ADVANCED DATA CAPTURE

Easy to use, deploy and maintain, the 1D9208 omnidirectional presentation scanner delivers a high-value choice for seamless integration of advanced data capture into your point-of-sale (POS) environment — at an affordable price. Designed to speed the checkout process for customers while improving sales tracking and inventory management, the 1D9208 offers high quality performance that enables your POS employees to work faster and more accurately.

### REDUCE COSTS AND STREAMLINE POS ACTIVITY

The 1D9208 helps you lower costs by eliminating the errors inherent with manual, paper-based sales and inventory tracking. You increase profitability by reducing pricing mistakes, minimizing shrinkage and providing better visibility into fundamental business processes. Because the 1D9208 can also be picked up and triggered like a handheld your employees are able to quickly switch between hands-free and handheld mode to scan bar codes easily, maximizing productivity. You also help reduce injuries, because your employees and customers don't need to lift or maneuver heavy items for scanning.

### USE RIGHT OUT OF THE BOX

The 1D9208 is available in kits, paired with the appropriate cable (and power supply where needed) so that you can simply plug in the device to get started. Any parameter customization can be completed quickly and easily via 123Scan2, Motorola's Windows based scanner management utility. Designed with multiple on-board interfaces, the 1D9208 provides easy and inexpensive migration to a new host interface (e.g. RS-232 to USB) simply by changing the interface cable.

### ENHANCE CUSTOMER SERVICE

This easy-to-use scanner allows your employees to work more effectively with customers, no matter how long they've been on the job. Faster checkout, gives workers more time to assist customers. The small footprint leaves plenty of space at the register for "impulse purchase" displays to encourage additional sales. And, with the capability to more accurately track customer behavior, inventory management is improved, ensuring that the right product is stocked at the right time to protect against lost sales.

### A 'GO ANYWHERE' DESIGN AND TINY FOOTPRINT

Maybe your retail store has a trendy décor. Or maybe your counter space is extremely limited. The 1D9208 is a scanner that is at home

### FEATURES

#### New small footprint

Most compact device in its class, fits in the most space constrained areas, yet offers flexibility of a much larger scanner — the large high-mounted exit window enables scanning of even taller items

#### New sleek design

Perfect in the most design conscious environments

#### 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

#### Industry-first spherical exit window

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

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**PRODUCT SPEC SHEET**  
MOTOROLA 1D9208

**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

**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

in either environment. And with the most compact footprint in this class, the 1D9208 can fit in the most space constrained areas — from the POS in a boutique to the ticket window at a train station.

**A SMART INVESTMENT AND A LOW TOTAL COST OF OWNERSHIP (TCO)**

The 1D9208 not only helps you make money, it helps you save money. The device is so intuitive that training — and training-related costs — are virtually eliminated.

For more information on how the 1D9208 can benefit your business, please visit us on the web at [www.motorolasolutions.com/1D9208](http://www.motorolasolutions.com/1D9208) or access our global contact directory at [www.motorolasolutions.com/contactus](http://www.motorolasolutions.com/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, Alpine White

**PERFORMANCE CHARACTERISTICS**

Light Source	Aiming pattern: single dot, 625nm LED Illumination: 630nm LEDs
Scanner Field of View	46° Horizontal x 29.5° Vertical
Roll	360°
Pitch	± 65°
Yaw	± 60°
Print Contrast	25% minimum reflective difference
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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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)
Minimum Resolution	Code 39 – 4 mil UPC – 7.8 mil (60%)

Right out of the box, the 1D9208 can read all common 1D bar codes. Optional integrated Electronic Article Surveillance (EAS) functionality eliminates the need to purchase and manage a standalone EAS system. Simplify and reduce the cost of managing your 1D9208 scanners with 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.

**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
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

Environmental	Compliant with RoHS Directive 2002/95/EC
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**OPTIONS**

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

**WARRANTY**

Subject to the terms of Motorola's hardware warranty statement, the 1D9208 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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