



On-Counter Presentation Omnidirectional Bar Code Reader

The Diamond omnidirectional presentation laser scanner is an excellent value for those seeking good performance in an economical design. It features high first pass read rates by combining excellent reading performance with advanced code reconstruction for reading damaged or poorly printed codes, resulting in higher productivity. Data editing and data formatting modes are available to format the collected data as required by the application software.

The Diamond reader's small footprint combined with an optional desktop swivel stand or wall mount allows for a variety of installation options when the product needs to fit in a small or limited space. A single line scan option combined with its ergonomic size allows it to be comfortably used as a handheld reader when needing to scan large or awkward items. When configured in Stand Mode, the Diamond reader minimizes power consumption when it is not active and features an automatic "wake-up" function when a code

is detected.

Built-in shock absorbers protect the scan module and motor assembly against abuse and the external housing features soft rubber that cushions the scanner and prevents possible damage caused by accidental drops.

The Diamond reader is offered in a single multi-interface model (USB, Keyboard Wedge and RS-232) to provide flexible host connectivity. Flash memory allows it to be upgraded in the field using the DataLogic Aladdin software utility if new functions or symbologies become available.



Features

- Handheld and hands-free operation
- Accurate first-pass read rates with enhanced label reconstruction for damaged or poorly printed codes
- Advanced data formatting and editing
- Multi-interface featuring USB, RS-232, and Keyboard Wedge
- Small footprint and mounting options provide installation flexibility
- Rubber housing provides shock resistance and comfortable handheld use
- Supports GS1 DataBar™ linear codes

Specifications

DECODING CAPABILITY

1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes

STACKED CODES

GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional

ELECTRICAL

CURRENT
INPUT VOLTAGE

Operating (Typical): 390 mA @ 5 VDC
5 VDC +/- 5%

ENVIRONMENTAL

DROP RESISTANCE

Withstands repeated drops from 1.0 m / 3.3 ft onto a concrete surface

ESD PROTECTION (AIR DISCHARGE)
HUMIDITY (NON-CONDENSING)
PARTICULATE AND WATER SEALING
TEMPERATURE

16 kV
5 - 95%
IP20
Operating: 0 to 40 °C / 32 to 104 °F
Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

Keyboard Wedge; RS-232; USB

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE
DIMENSIONS
WEIGHT

Grey
Scanner and Stand: 9.9 x 7.9 x 6.1 cm / 3.9 x 3.1 x 2.4 in
Scanner and Stand: 280.0 g / 9.9 oz

READING PERFORMANCE

LIGHT SOURCE
PRINT CONTRAST RATIO (MINIMUM)
READ RATE (MAXIMUM)
READING ANGLE
READING INDICATORS
RESOLUTION (MAXIMUM)
SCAN LINES

630 - 680 nm VLD
35%
1,200 scans/sec.
Pitch: +/- 60°; Roll (Tilt): +/- 360°; Skew (Yaw): +/- 60°
Beeper (Adjustable Tone); Good Read LED; Laser ON
0.130 mm / 5 mils
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SAFETY & REGULATORY

AGENCY APPROVALS

The product meets necessary safety and regulatory approvals for its intended use.

The Quick Reference Guide for this product can be referred to for a complete list of certifications.

ENVIRONMENTAL COMPLIANCE
LASER CLASSIFICATION

Complies to EU RoHS
Caution Laser Radiation - Do not stare into beam; CDRH Class IIa; EN 60825-1 Class 1

UTILITIES

OPOS / JAVAPOS

JavaPOS Utilities are available for download at no charge
OPOS Utilities are available for download at no charge

WARRANTY

2-Year Factory Warranty



Mounts/Stands

- 90ACC1904 Desktop Stand (STD-1040)
- 90ACC1905 Wall Holder (STD-1050)

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