



General Purpose Corded Handheld Laser Bar Code Reader

The FireScan readers provide an environmentally compliant laser scanner solution in a value priced general purpose product. In complement to the QuickScan® 6000 Plus laser scanners, the FireScan series of readers also offer premium performance and are an ideal solution for retail, healthcare, office automation and light industrial applications that require high reading distances (over 40 cm / 15.8 in) and a bright, well-defined scan line. An integrated single laser dot aiming system permits easy pointing on the code at higher distances to improve productivity.

Reading performance is enhanced by Datalogic's patented PuzzleSolver™ technology for fast and accurate reading of standard, poorly printed and damaged codes. Advanced data editing and formatting functions allows the scanned data to be modified prior to transfer, ensuring compatibility with the application on the host system

FireScan readers are available in three models with different interface sets: the

standard D131 model provides all the typical connections (USB, RS-232, Keyboard Wedge and Wand Emulation), the D111 model provides complete connectivity to main IBM 46xx cash registers and the D141 model performs undecoded reader applications (ex. connecting the reader to flatbed scanners).

A hands-free stand for presentation style reading and mounting options are available to organize the workspace and to save valuable counter area when needed.

Features

- Excellent depth of field over 40.0 cm / 15.8 in
- Aiming system for intuitive reading
- Interface options include an Undecoded Laser Output Model
- Supports GS1 DataBar™ linear codes
- Firmware upgrading
- Advanced data formatting and editing
- Water and Particulate Sealing Rating: IP30
- Drop resistance to 1.5 m / 4.9 ft



Specifications

DECODING CAPABILITY

1D / LINEAR CODES

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

STACKED CODES

D230 Models support these additional symbologies. Code 16K; Code 49; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional

ELECTRICAL

CURRENT

Operating (Typical): 150 mA @ 5 VDC
Standby/Idle (Typical): < 500 µA @ 5 VDC
5 VDC +/- 5%

INPUT VOLTAGE

ENVIRONMENTAL

AMBIENT LIGHT

Immune to light exposure in offices and facilities, and direct exposure to sunlight

DROP RESISTANCE

Withstands repeated drops from 1.5 m / 4.9 ft onto a concrete surface

ESD PROTECTION (AIR DISCHARGE)

16 kV

HUMIDITY (NON-CONDENSING)

90%

PARTICULATE AND WATER SEALING

IP30

TEMPERATURE

Operating: 0 to 50 °C / 32 to 122 °F
Storage/Transport: -20 to 40 °C / -4 to 104 °F

INTERFACES

RS-232 / IBM 46XX: D111; RS-232 / USB / Keyboard Wedge / Wand
Multi-Interface: D131; Undecoded Laser Output: D141

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

Dark Grey

DIMENSIONS

17.8 x 7.2 x 9.1 / 7.0 x 2.8 x 3.6 in

WEIGHT

200.0 g / 7.1 oz

READING PERFORMANCE

LIGHT SOURCE

Aiming: VLD 630 - 680 nm

PRINT CONTRAST RATIO (MINIMUM)

15%

READ RATE (MAXIMUM)

35 reads/sec. +/- 5

READING ANGLE

Pitch: 5 to 55° / -5 to -55°; Roll (Tilt): +/- 20°; Skew (Yaw): +/- 60°

READING INDICATORS

Beeper (Adjustable Tone); Good Read LED; Laser ON

RESOLUTION (MAXIMUM)

0.120 mm / 5 mils

READING RANGES

TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle.
Printing resolution, contrast, and ambient light dependent.

5 mils: 4.0 to 18.0 cm / 1.5 to 7.0 in

7.5 mils: 3.5 to 18.0 cm / 1.4 to 10.9 in

10 mils: 2.5 to 44.0 cm / 1.0 to 17.2 in

13 mils: 2.0 to 50.0 cm / 0.8 to 19.5 in

20 mils: 5.0 to 73.0 cm / 1.9 to 28.5 in

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

Complies to China RoHS; Complies to EU RoHS

LASER CLASSIFICATION

Caution Laser Radiation - Do not stare into beam; CDRH Class II; EN 60825-1 Class 1

UTILITIES

DATALOGIC ALADDIN™

Datalogic Aladdin configuration program is available for download at no charge

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

- 90ACC1790 Desk/Wall Holder for FireScan
- 90ACC1873 Hands Free Stand (STD-1010) for FireScan
- 90ACC1876 PLATE, Metal Plate for STD-1010

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Product specifications are subject to change without notice.

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