FireScan

Handheld Laser Scanner

⊕DATALOGIC™

Aim Mode

USB B
UNIVERSAL SERIAL BUS

JAVA POS™
Java for POS Devices

OLE POS

General Description

Design, ergonomics and ease of use, together with outstanding decoding performance and state-of-the-art software configuration capability, make FireScan™ an ideal solution for Retail, Office Automation and Light Industrial applications that require higher reading distances (over 40 cm) and a bright, well-defined scan line.

FireScan™ is based on a new empowered architecture which allows the most advanced features to be employed. In terms of decoding, the implementation of Puzzle Solver™ technology improves reading of poorly printed or damaged codes, while the Data Editing and Data Formatting function allows scanned data to be modified prior to transfer, ensuring compatibility with the application on the host system. Furthermore, the aiming system permits easy pointing on the code at higher distances.

In addition, the in-field update capability provided by FireScan™ guarantees your investment: the laser gun firmware can be easily updated, maintaining an always "up-to-date" device.

FireScan™ is 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). In addition, FireScan™ reads GS1 DataBar™ (RSS), a newer symbology that can be printed on a smaller label, which meets emerging market needs for a greater amount of data on a symbol.

Features

> Aggressive reading
> Complete data editing and formatting
> Firmware upgrading
> Intuitive barcode aiming
> Ergonomic and lightweight
> GS1 DataBar™ (RSS)
> Sunrise 2005 compliant

Applications

> Distribution and Retail
> Front-Office Applications
> Light Industrial Environments

Specifications

ELECTRICAL CHARACTERISTICS

POWER SUPPLY	5 VDC ±5%
CONSUMPTION	200 mA max. (FireScan™ D111/D131)
	180 mA max. (FireScan™ D141)

MECHANICAL CHARACTERISTICS

WEIGHT (approx.)	200 g
CASE MATERIAL	ABS and Polycarbonate
CABLE LENGTH	2 m / 6.1 ft linear or coiled

PERFORMANCE

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LIGHT SOURCE	Laser diode 630 to 680 nm
MAX. RESOLUTION	0.12 mm / 5 mils
SCAN RATE	35 (±5) scans/sec.
MIN. PRINT CONTRAST RATIO	PCS = 15%
READING FIELD	See diagram
READING ANGLE	Skew: ±60°, Pitch: 5 to 55°, -5 to -55°, Tilt ±20°
READING INDICATORS	Laser on and Good Read light, adjustable tone "beeper"
READABLE BAR CODES	2/5 family, Code 39 (plus Code 32, Cip 39), EAN/UPC, EAN 128, Code 128, Code 93, CODABAR, TELEPEN, PLESSEY, Code 49, Code MSI, Code Delta IBM, Code 11, Code 16K, ISBN/ISSN, ISBT 128, GS1 DataBar™ (RSS)
PROGRAMMING METHOD	
Manual	Reading special bar codes
Automatic (with RS-232)	S/W commands through the serial port
DL Sm@rtSet™	Windows configuration program
ENHANCED FEATURES	Puzzle Solver™, data editing and data concatenation
INTERFACES	
FireScan™ D111	RS-232, IBM 46xx
FireScan™ D131	USB, RS-232, Keyboard Wedge and Wand Emulation
FireScan™ D141	TTL/Laser output
LASER CLASSIFICATION	Class 2 (EN60825-1/ CDRH)

ENVIRONMENT

AMBIENT LIGHT CONDITIONS	Immune to light exposure in offices and facilities, and direct exposure to sunlight
OPERATING TEMPERATURE	0 to 50 °C
STORAGE TEMPERATURE	-20 to 40 °C
HUMIDITY	90% non condensing
DROP RESISTANCE	IEC 68-2-32 Test ED; withstands repeated drops from 1.5 m onto a concrete surface
ENVIRONMENTAL PROTECTION	IP30

Dimensions
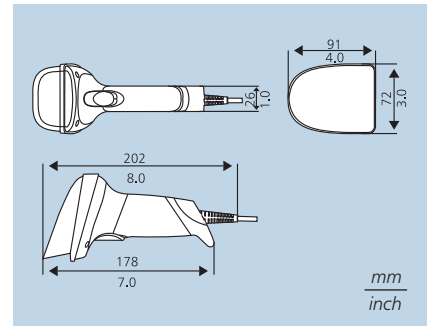
Reading Diagram
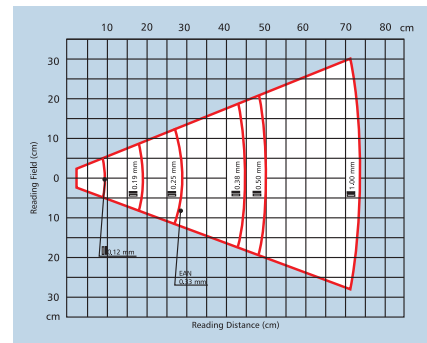
Accessories

Stand

Desk/Wall Holder

Stand
Robust and compact, the stand makes it possible to use the reader in hands-free mode.

Desk/Wall Holder
This item provides ease of use and flexibility in many environments where work space is limited.

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