POWERSCAN™ PM9300 LASER

ODATALOGIC





TECHNOLOGY DRIVEN

The PowerScan™ PM9300 series includes different models able to satisfy all customers' needs: the PM9300 is the basic cordless model. the PM9300-D intermediate model includes a display and 4-key keypad, and the ultimate PM9300-DK model features a display with a full 16-key keyboard. The PM9300-DK model significantly increases the sophistication of interaction with the host system and opens up new potential uses of the scanner, making it suitable for applications that would normally require a more expensive portable data terminal. The BC9180 base includes one model with two different Ethernet connections: Standard Ethernet and Industrial Ethernet protocols such as Ethernet IP and Modbus.

DATALOGIC'S STAR CORDLESS SYSTEM™

Narrow band radio communications with Datalogic's STAR Cordless System™ 2.0 provides the key to increased productivity and flexibility in the workplace. It offers scalable solutions from simple point-to-point applications to networking capabilities combined with seamless roaming for complex installations.

GOOD-READ FEEDBACK AND SUPERIOR READING PERFORMANCE

The PM9300 readers feature Datalogic's exclusive 3 Green Lights (3GL™) for superior good-read feedback. The patented 'Green Spot' directly on the code and dual Good Read LEDs on the top and back of the cap add increased visibility at any angle.













FEATURES

- Optics available in:
- Standard Range: contact up to 1.6 m / 5.2 ft
- Auto Range: up to 11.5 m / 37.7 ft on reflective bar codes
- Available in 3 models:
 - Basic
 - With Display and 4-Key Keypad
- With Display and Full Alphanumeric Keypad
- 100% Compatible with Datalogic's STAR Cordless System
- Radio frequencies available in 433 or 910 MHz
- Point-to-point and multi-point transmission
- Seamless roaming
- Ethernet Connectivity (Standard and Industrial)
- Datalogic 3GL™ and loud beeper for good-read feedback
- User replaceable Lithium-lon battery
- Operates over a wide range of temperatures
- Water and Particulate Sealing Rating: IP65
- Drop resistance to 2.0 m / 6.5 ft
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS

- Manufacturing / Warehouse
- Retail / POS Check-out
- Transportation & Logistics / Warehouse / Sorting

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CORDLESS COMMUNICATIONS

DATALOGIC STAR CORDLESS SYSTEM

RADIO FREQUENCY RADIO RANGE (OPEN AIR) Point-to-Point Configuration Multi-Point Configuration: Max. Readers per Radio receiver: 16 433 MHz: 910 MHz

433 MHz: 50 m / 164 ft at 500 KB/s; 100 m / 328 ft at 19.2 KB/s 910 MHz: 50 m / 164 ft at 500 KB/s; 400 m / 1,312 ft at 36.8 KB/s, frequency hopping 50 m / 164 ft at 36.8 KB/s, fixed channel; Seamless Roaming; Two Way Communications

DECODING CAPABILITY

PM9300-XX

GS1 DataBar™ linear codes, UPC/EAN, UPC/EAN P2/P5 add ons, UPC/EAN Coupons, ISBN, Code 128, EAN 128, Code 39, Code 39 Full ASCII, Code 32, Codabar, Interleaved 2 of 5, IATA, Industrial 2 of 5, Standard 2 of 5, Code 11, MSI, Plessey, Code 93, Follet 2/5, Code 4, Code 5, Datalogic 2 of 5, Codablock F

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ELECTRICAL

PM9300-XXARXX

BATTERY

READS PER CHARGE CRADLE INDICATOR LEDS

CURRENT

INPUT VOLTAGE

Li-lon 2150 mAh;

Charge Time: External Power: 4 Hours; Host Power: 10 Hours;

50,000+ (continuous reading) Battery Charging (Red); Charge Completed

(Green); Power/Data (Yellow) Operating (Typical):

External Power: Max. 10 W (charging);

POT: Max. 500 mA (charging) External: 10 - 30 VDC; POT: 5 VDC +/- 10%

ENVIRONMENTAL

AMBIENT LIGHT

DROP RESISTANCE ESD PROTECTION (AIR DISCHARGE) **HUMIDITY (NON-CONDENSING)**

PARTICULATE AND WATER SEALING TEMPERATURE

Immune to light exposure in offices/facilities and direct exposure to sunlight.

Withstands 50 drops from 2.0 m / 6.5 ft to concrete

20 kV 0 - 95% IP65

Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

INTERFACES

Keyboard Wedge; RS-232; RS-485; USB: OEM USB; USB COM; USB HID Keyboard; Optional Ethernet (Standard, Industrial)

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE DIMENSIONS

DISPLAY

KEYPAD

WEIGHT

Yellow/Black Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in PM9300: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in PM9300-D, PM9300-DK: Display Type: Graphic with White Backlight; Font Dimensions: User

selectable

(6 lines x 21 columns default); Screen Dimensions: 48 x 132 pixels PM9300-D: 4 Configurable Keys PM9300-DK: 16 Configurable Keys PM9300-XX: 405.0 g / 14.2 oz

PM9300-ARXX, PM9300-DXX / PM9300-DKXX:

435.0 g / 15.3 oz

PM9300-DARXX / PM9300-DKARXX: 465.0 g /

16.4 oz

READING PERFORMANCE

PRINT CONTRAST RATIO (MINIMUM) READ RATE (MAXIMUM)

READING ANGLE

READING INDICATORS

RESOLUTION (MAXIMUM)

630 - 680 nm VI D

PM9300-XX: 104+/- 12 scans/sec.; PM9300-ARXX: 35 +/- 5 scans/sec PM9300-XX: Pitch: 40°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 65°

and scan angle

PM9300-ARXX: Pitch: 60°; Roll (Tilt): +/- 10°; Skew (Yaw): +/- 65°

Beeper; Datalogic Three Green Lights (3GL™) Good Read Feedback: Datalogic 'Green Spot' on the Code, Dual Good Read LEDs; Good Transmission PM93X0: 0.076 mm / 3 mils;

Minimum distance determined by symbol length

PM93X0 Auto Range: 0.190 mm / 7.5 mils

READING RANGES

TYPICAL DEPTH OF FIFLD

Printing resolution, contrast, and ambient light dependent. PM9300 AR: Code 39 PM9300: Code 39 5 mils: 1.5 to 28.0 cm / 0.4 to 11.8 in 7.5 mils: 9.0 to 50.0 cm / 3.5 to 19.7 in

7.5 mils: 1.5 to 42.0 cm / 0.6 to 16.5 in 10 mils: 14.0 to 85.0 cm / 5.5 to 33.5 in 10 mils: 2.0 to 50.0 cm / 0.8 to 19.7 in 15 mils: 15.0 to 155.0 cm / 5.9 to 61.0 in 20 mils: 2.0 to 110.0 cm / 0.8 to 43.3 in 20 mils: 15.0 to 220.0 cm / 5.9 to 86.6 in 40 mils: 20.0 to 340.0 cm / 7.9 to 133.9 in 40 mils: 2.0 to 160.0 cm / 0.8 to 63.0 in 55 mils: 25.0 to 420.0 cm / 9.8 to 165.4 in EAN 13: 2.5 to 65 cm / 1.0 to 25.6 in

Reflective Labels: Code 39: 70 mils: up to 9.0 m / 29.0 ft 100 mils: up to 11.5 m / 37 ft

Note: Reading Performances may change with different symbologies

SAFETY & REGULATORY

AGENCY APPROVALS

ENVIRONMENTAL COMPLIANCE I ASER CLASSIFICATION

The product meets necessary safety and regulatory approvals for its intended use. See the Regulatory Addendum for details. Complies to EU RoHS; Complies to China RoHS Caution Laser Radiation - Do not stare into beam

UTILITIES

DATALOGIC ALADDIN™

OPOS / JAVAPOS

REMOTE HOST DOWNLOAD

CDRH Class II: IEC 60825-1 Class 2

available for download at no charge. JavaPOS and OPOS Utilities are available for download at no charge. Available on request

Datalogic Aladdin configuration program is

WARRANTY

WARRANTY

3-Year Factory Warranty

Base Stations/Chargers

- BC8030-433, BC8030-910 Base/Charger Multi-Interface BC8060-433, BC8060-910 Base/Charger,
- Multi-Interface/RS-485 BC9180-433, BC9180-910 Base Station/Dual Charger
- CHR-PM80 Charger (C-8000) SBS-PM80 Spare Battery Slot compatible w/BC8060





Batteries/Battery Chargers

- FBP-PM80 Fixed Battery Pack (FBP-8000)
- MC-P080 Multiple Battery Charger, 4-Slots (MC-8000)
- RBP-PM80 Removable Battery Pack (RRP-8000)



Cases/Holsters

- 11-0138 Heated Holder, 36 VDC; 11-0139 Heated Holder, 24 VDC
- 11-0140 Heated Holder, 48 VDC (not for use with PM8300-D models)
- HLS-P080 Universal Holster (HLS-8000)
- PC-P080, PCD-P080 Protective Case/Belt Holster





Mounts/Stands

- 7-0404 Industrial Take-Up Reel
- HLD-P080 Desk/Wall Holder (HLD-8000)
- STD-P080 Hands Free Stand (STD-8000)
- VMK-PM80 Vehicle Mount Kit



