POWERSCAN™ PM9300 LASER

DATALOGIC

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-Ion 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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TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

DATALOGIC STAR CORDLESS SYSTEM	Point-to-Point Configuration Multi-Point Configuration: Max. Readers per Radio receiver: 16
RADIO FREQUENCY	433 MHz; 910 MHz
RADIO RANGE (OPEN AIR)	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
PM9300-XXARXX	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 39 CIP, Code 32, Codabar, Interleaved 2 of 5, Standard 2 of 5, MSI, Code 93

ELECTRICAL

BATTERY	Li-Ion 2150 mAh; Charge Time: External Power: 4 Hours; Host Power: 10 Hours;
READS PER CHARGE	50,000+ (continuous reading)
CRADLE INDICATOR LEDS	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
CURRENT	Operating (Typical): External Power: Max. 10 W (charging); POT: Max. 500 mA (charging)
INPUT VOLTAGE	External: 10 - 30 VDC; POT: 5 VDC +/- 10%

ENVIRONMENTAL

AMBIENT LIGHT	Immune to light exposure in offices/facilities and direct exposure to sunlight.
DROP RESISTANCE	Withstands 50 drops from 2.0 m / 6.5 ft to concrete
ESD PROTECTION (AIR DISCHARGE)	20 kV
HUMIDITY (NON-CONDENSING)	0 - 95%
PARTICULATE AND WATER SEALING	IP65
TEMPERATURE	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	Yellow/Black
DIMENSIONS	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
DISPLAY	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
KEYPAD	PM9300-D: 4 Configurable Keys PM9300-DK: 16 Configurable Keys
WEIGHT	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

LIGHT SOURCE	630 - 680 nm VLD
PRINT CONTRAST RATIO (MINIMUM)	25%
READ RATE (MAXIMUM)	PM9300-XX: 104 +/- 12 scans/sec.; PM9300-ARXX: 35 +/- 5 scans/sec.
READING ANGLE	PM9300-XX: Pitch: 40°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 65° PM9300-ARXX: Pitch: 60°; Roll (Tilt): +/- 10°; Skew (Yaw): +/- 65°
READING INDICATORS	Beeper; Datalogic Three Green Lights (3GL™) Good Read Feedback: Datalogic 'Green Spot' on the Code, Dual Good Read LEDs; Good Transmission
RESOLUTION (MAXIMUM)	PM93X0: 0.076 mm / 3 mils; PM93X0 Auto Range: 0.190 mm / 7.5 mils

READING RANGES

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

PM9300: Code 39	PM9300 AR: 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: 2.0 to 160.0 cm / 0.8 to 63.0 in	40 mils: 20.0 to 340.0 cm / 7.9 to 133.9 in
EAN 13: 2.5 to 65 cm / 1.0 to 25.6 in	55 mils: 25.0 to 420.0 cm / 9.8 to 165.4 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	The product meets necessary safety and regulatory approvals for its intended use. See the Regulatory Addendum for details.
ENVIRONMENTAL COMPLIANCE	Complies to EU RoHS; Complies to China RoHS
LASER CLASSIFICATION	Caution Laser Radiation - Do not stare into beam CDRH Class II; IEC 60825-1 Class 2

UTILITIES

DATALOGIC ALADDIN™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JAVAPOS	JavaPOS and OPOS Utilities are available for download at no charge.
REMOTE HOST DOWNLOAD	Available on request

WARRANTY

WARRANTY	3-Year Factory Warranty

ACCESSORIES

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 (RBP-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 (PC-8000)

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

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