POWERSCAN™ PM9501

ODATALOGIC



AIM, TRIGGER, DECODE: IT'S THAT SIMPLE!

An intuitive and effortless scanning experience is the target of the PowerScanTM 9501 series. They combine omnidirectional reading capabilities with outstanding optical characteristics. The result is a scanner that is able to read any kind of bar code, regardless of the orientation, from contact to over 1.0 m / 3.3 ft, depending on the bar code resolution. In addition, Datalogic's latest decoding software guarantees snappy reading in any type of environment.

MOBILITY ENHANCES PRODUCTIVITY

The Datalogic STAR Cordless System™ for narrow-band radio communications was developed specifically to maximize efficiency and reliability for handheld scanner data collection applications. The PowerScan PM9501 models are equipped with a new generation of the STAR-System that further improves the already outstanding features of versatility, ease of use and radio range.

The PM9501 series offers two display options: 4 configurable keys and a full 16-key keyboard. This increases interaction between the host and the user allowing a two-way exchange of information for more reliable and effective communications.

The BC9180 base/charger also includes in one model two different Ethernet connections: Standard Ethernet and Industrial Ethernet protocols such as Ethernet IP and Modbus.

DEVELOPED WITH THE USER IN MIND

Handle shape, well-balanced weight and an intuitive aiming system allows high first-pass reading rates while reducing unnatural wrist movements for improved ergonomics and user comfort.

The PowerScan 9501 area imagers use a soft-pulsed white illumination light that is very gentle on the eyes and less troublesome to the operator during scan-intensive applications.

FEATURES

- High-performance Liquid Lens allows one model to read standard, wide and high density codes
- · Snappy omnidirectional reading
- Intuitive aiming system
- · Soft white light illumination
- Available with optional display and 4 or 16-key keyboards
- High speed 433 MHz and 910 MHz radio communications
- Point-to-point and multi-point transmission
- Networking and seamless roaming
- Multiple interfaces available
- Ethernet Connectivity (Standard and Industrial)
- Lithium-Ion battery replaces in 3 seconds!
- Datalogic's Motionix™ motion-sensing technology
- Ergonomic shape
- Datalogic's 3GL™ (3 Green Lights) technology and loud beeper for good-read feedback
- Water and Particulate Sealing Rating: IP65
- In-field replaceable window and cradle contacts
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY - APPLICATION

- Entertainment:
 - Access Control
 - Mobile Coupons
 - Ticket Validation
 - · Security / Age Verification
 - Lottery
- Manufacturing Shop Floor:
 - Work-in-Progress
 - Sub-Assembly
 - · Component Tracking
 - · Quality Control
 - Time and Cost Analysis
- Machine Replenishment /Configuration
- Line Inventory Control
- Warehouse and Logistic Centers:
 - · Shipping / Receiving
 - Parcel Preparation
 - Picking / Put Away
 - Automatic Sorting Back-Up
 - · End of Line Sorting













POWERSCAN™ PM9501

TECHNICAL SPECIFICATIONS

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CORDLESS COMMUNICATIONS					
Datalogic STAR Cordless System™	Effective Radiated Power: 433 MHz: <10 mW; 910 MHz: <50 mW 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: 200 m / 656 ft low speed; Frequency hopping 50 m / 164 ft high speed 910 MHz: 270 m / 886 ft low speed; 170 m / 558 ft high speed Seamless Roaming; Two Way Communications				
DECODING CAPABILITY					
1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.				
2D Codes	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code;				
Postal Codes	Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post;				
Stacked Codes	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites				
ELECTRICAL					
Battery	Lithium-Ion 3350 mAh Charge Time: External Power: 4.5 Hours; Host Power: 10 Hours				
Reads Per Charge	Continuous Reading: 60,000+ (typical @ 25 °C)				
Cradle Indicator LEDs	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)				
Cradle Consumption and DC Input Supply Range	Volt 10-30 VDC; Power <8W*; Max 500mA when in host/bus powered mode* *Typical input current measured under factory default configuration.				
Operating (Typical)	150 mA @ 10 VDC				
Input Voltage	External Power: 10-30 VDC; POT: 5 VDC +/- 10%				
ENVIRONMENTAL					
Ambient Light	0 - 100,000 lux				
Drop Resistance	Cradle: Withstands 50 drops from 1.2 m / 3.9 ft onto a concrete surface PM9501: Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface				
ESD Protection (Air Discharge)	20 kV				
Humidity (Non-Condensing)	95%				
Particulate and Water Sealing	IP65				
Temperature	Operating: -20 to 50 °C / -4 to 122 °F Battery Charging: 0 to 45 °C / 32 to 113 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F				
INTERFACES					
Interfaces	Keyboard Wedge; RS-232; RS-485; USB: 0EM USB; USB COM; USB HID Keyboard; Optional Ethernet (Standard, Industrial)				

DUVELCAL		TEDICTION			
PHYSICAL C Colors Available	HARAL	Yellow/Black			
		Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in			
Dimensions		PM9501: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in			
Display		PM9501-D, PM9501-DK: Display Type: Graphic with White Backlight; Font Dimensions: User selectable (6 lines x 21 columns default); Screen Dimensions: 48 x 132 pixels			
Keypad		PM9501-D: 4 Configurable Keys PM9501-DK: 16 Configurable Keys			
Weight		PM9501-DXX,	9501-XX, PM9501-HPXX, 400 g / 14.1 oz 9501-DXX, PM9501-DHPXX: 440 g / 15.5 oz 9501-DKXX, PM9501-DKHPXX: 445 g / 15.7 oz		
READING PERFORMANCE					
Imager Sensor		PM9501: 864 x 544; PM9501-HP: 1280 x 1024			
Light Source		Aiming: 630 - 680 nm VLD; Illumination: White LEDs			
Print Contrast Ratio (Minimum)		15%			
Reading Angle		Pitch: +/- 40°; Roll (Tilt): 360°; Skew (Yaw): +/- 40°			
Reading Indicators		Beeper (Adjustable Tone and Volume); Datalogic's 3GL™ (Three Green Lights) technology and loud beeperfor good-read feedback: Datalogic 'Green Spot' on the Code, Dual Good Read LEDs			
Resolution (Maximum)		PM9501: 1D Codes: 4 mil; 2D Codes: 7.5 mil PM9501-HP: 1D Codes: 2.5 mil; 2D Codes: 4 mil			
READING RA	NGES				
Typical Depth of Field		Minimum distance determined by symbol length and scan angle; Printing resolution, contrast, and ambient light dependent.			
PM9501 4 mils 7.5 mils Data Matrix 10 mils Data Matrix 10 mils PDF417 13 mils 20 mils 40 mils	9.0 to 12.0 c 4.0 to 18.0 c 2.0 to 25.0 c 4.0 to 45.0 c 4.0 to 55.0 c	m / 2.3 to 6.7 in m / 3.5 to 4.7 in m / 1.5 to 7.0 in m / 0.8 to 9.8 in m / 1.5 to 17.7 in m / 1.5 to 21.6 in m / 1.5 to 33.4 in		2.0 to 6.0 cm / 0.8 to 2.3 in 2.0 to 6.0 cm / 0.8 to 2.3 in 2.0 to 20.0 cm / 0.8 to 7.8 in 2.0 to 30.0 cm / 0.8 to 11.8 in 3.0 to 60.0 cm / 1.1 to 23.6 in 3.0 to 70.0 cm / 1.1 to 27.5 in 3.0 to 110.0 cm / 1.1 to 43.3 i	
SAFETY & REGULATORY					
Agency Approvals approvals for Guide for this		neets necessary safety and regulatory its intended use. The Quick Reference product can be referred to for a of certifications.			
Environmental Cor	mpliance	Complies to China RoHS; Complies to EU RoHS; Complies to R.E.A.C.H.			
I ACOT I IACCITICATION		Caution Laser Radiation - Do not stare into beam CDRH Class II: IEC 60825 Class 2			
LED Classification		IEC 62471 Class 1 LED			
UTILITIES					
Datalogic Aladdin [™]	М	Datalogic Aladdin configuration program is available			

ACCESSORIES

Base Stations/Chargers



BC9030-433 / BC9030-910 Base/Charger, Multi-



BC9130-433 / BC9130-910 Base/Dual Charger, Multi-Interface BC9160-433 / BC9160-910 Base/Dual Charger, Multi-Interface/RS-485 BC9180-433 / BC9180-910 Base/Dual Charger/Ethernet (Standard, Industrial)

Cases/Holsters



HLS-P080 Universal Holster (HLS-8000)

Mounts/Stands



Remote Host Download

OPOS / JavaPOS

Warranty



for download at no charge.

download at no charge

3-Year Factory Warranty

Available on request

OPOS and JavaPOS Utilities are available for

HLD-P080 Desk/Wall Holder (HLD-8000) 7-0404 Industrial Take-Up Reel

Miscellaneous



SD9030 STAR System USB Industrial Dongle (433 or 910 MHz available)

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