

# Datalogic Rugged Handheld Barcode Scanners



## Advanced, cost-effective barcode readers

The Datalogic PowerScan family of barcode readers represents the ultimate in industrial handheld scanners, designed and constructed to withstand the toughest environmental conditions. They are designed to enhance productivity and efficiency through best-in-class scanning performance and reduced total solution cost.



**PM9600-SR910RBK10**

## Features

- Ultra-robust construction – designed to resist more than 50 drops of 8.2 ft [2.5 m].
- Center-of-gravity design for reduced fatigue of the operator's wrist
- Ergonomic shape
- USB and RS-232 multi-interface
- Easy system integration
- Inductive charging eliminates physical problems with battery contacts and pins.
- Built-in white light illumination
- Image resolution of 1280x800 pixels
- Large field of view – 38 degrees horizontal by 24 degrees vertical

Datalogic Rugged Barcode Handheld Scanners Kits					
Part Number	Price	Communication Type	Connection	Includes	Drawing
<b><u>PM9600-SR910RBK10</u></b>	\$871.00	RF (910MHz)	USB	Scanner with removable battery, base station, USB cable, power brick and power cord	<a href="#">PDF</a>
<b><u>PM9600-SR910RBK20</u></b>	\$871.00	RF (910MHz)	RS-232	Scanner with removable battery, base station, RS-232 cable, power brick and power cord	<a href="#">PDF</a>
<b><u>PBT9600-SRRBK20US</u></b>	\$871.00	Bluetooth	RS-232	Scanner with removable battery, base station, RS-232 cable, power brick and power cord	<a href="#">PDF</a>
<b><u>PBT9600-SRRBK10US</u></b>	\$871.00	Bluetooth	USB	Scanner with removable battery, base station, USB cable, power brick and power cord	<a href="#">PDF</a>

Datalogic Rugged Barcode Handheld Scanners and Base Stations					
Part Number	Price	Item	Communication Type	Includes	Drawing
<b><u>PBT9600-SRRB</u></b>	\$584.00	Barcode scanner	Bluetooth	Scanner with removable battery	<a href="#">PDF</a>
<b><u>PM9600-SR910RB</u></b>	\$584.00	Barcode scanner	RF (910MHz)	Scanner with removable battery	<a href="#">PDF</a>
<b><u>BC9630-BT</u></b>	\$381.00	Base station	Bluetooth	Base Station (USB and RS-232 compatible)	<a href="#">PDF</a>
<b><u>BC9630-910</u></b>	\$363.00	Base station	RF (910MHz)	Base Station (USB and RS-232 compatible)	<a href="#">PDF</a>



**PBT9600-SRRB**



**BC9630-BT**

# Datalogic Rugged Handheld Barcode Scanners



## Datalogic Rugged Barcode Handheld Scanners Specifications

<b>Wireless Communications</b>	
<b>PowerScan PM9600</b>	
<b>Radio Frequency</b>	910MHz
<b>Effective Radiated Power</b>	<50mW
<b>Configuration</b>	Point-to-point / multipoint
<b>Max Readers Per Radio Receiver</b>	16
<b>Radio Range (Open Air)</b>	230m [754ft]
<b>PowerScan PBT9600 (Bluetooth Wireless Technology)</b>	
<b>Radio Frequency</b>	2.4 GHz
<b>Profiles</b>	SSP (Serial Port Profile) and HID (Human Interface Device)
<b>Protocol</b>	Bluetooth 5.0 Certified Class 1, Class 2, Class 3
<b>Radio Range (Open Air)</b>	100m [328ft] Range distances are measured using the base station. Range with connection to other Bluetooth peripherals may vary.
<b>Security</b>	Data encryption, scanner authentication
<b>Decoding Capability</b>	
<b>1D / Linear Codes</b>	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes
<b>2D Codes</b>	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code; Dot Code
<b>Postal Codes</b>	Australian Post; British Post; China Post; IMP; Japanese Post, KIX Post; Planet Code, Postnet; Royal Mail Code (RMM4SCC)
<b>Stacked Codes</b>	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites
<b>Electrical</b>	
<b>Current</b>	Operating 480mA @ 3.7 V Charging (typical) < 15W Cradle BC96xx only: 150mA @ 5V (operative)
<b>Input Voltage</b>	Host powered: 5VDC ±5% External power supply: 10-30 VDC ±5%
<b>Battery</b>	Battery type: Lithium-Ion, 3350mAh Charge time @ 12VDC: 2.5 hours to charge up to 95%, 3.2 hours to charge 100% Reads per charge: 80,000
<b>Environmental</b>	
<b>Ambient Light</b>	0-100,000 lux
<b>Drop Resistance</b>	Withstands 50 drops from 2.5 m [8.2 ft] @ 20°C [68°F] Withstands 50 drops from 2.0 m [6.6 ft] @ -20°C [-4°F]
<b>Trigger Resistance</b>	Withstands 10 million hits
<b>ESD Protection (Air Discharge)</b>	20kV
<b>Humidity (Non-Condensing)</b>	0 to 95%
<b>Particulate and Water Sealing</b>	Handheld unit: IP67 and IP65 Cradle unit: IP40
<b>Temperature</b>	Operating: -20 to 50°C [-4 to 122°F] Storage/Transport: -40 to 70°C [-40 to 158°F] Charging: 0 to 40°C [32 to 104°F] Ideal: 0 to 35°C [32 to 95°F]
<b>Interfaces</b>	
<b>Interfaces</b>	RS-232 / USB / Ethernet and Industrial Protocols

# Datalogic Rugged Handheld Barcode Scanners



Datalogic Rugged Barcode Handheld Scanners Specifications (continued)	
Physical Characteristics	
<b>Weight</b>	Handheld portion: 425g [15.0 oz]
Reading Performance	
<b>Imager Sensor</b>	1280 x 800 pixels
<b>Light Source</b>	Aiming: 630-680 nm VLD Illumination: White LED reading light
<b>Print Contrast Ratio (Minimum)</b>	15%
<b>Reading Angle</b>	Pitch: $\pm 52^\circ$ Roll (tilt): $360^\circ$ Skew (yaw): $\pm 52^\circ$
<b>Field of View</b>	38° H, 24° V
<b>Reading Indicators</b>	Beeper (adjustable tone and volume) Datalogic's 3GL™ (Three Green Lights) technology for good-read feedback Datalogic "Green Spot" Dual good-read LEDs Vibration
<b>Resolution (Maximum)</b>	1D codes: 3 mil, 2D codes: 6 mil
Reading Ranges	
<b>SR Models</b>	Code 128 5 mils: 6.4 to 30.9 cm [2.5 to 12.2 in] 20 mils: 4 to 103.7 cm [1.6 to 40.8 in] 40 mils: 5.5 to 175 cm [2.2 to 68.9 in] EAN/UPC 13 mils: 4 to 67.5 cm [1.5 to 26.5 in] DataMatrix 10 mils: 6 to 30 cm [2.5 to 11.8 in]
Safety and Regulatory	
<b>Laser Classification</b>	Caution: Laser radiation Do not stare into beam CDRH Class II; IEC 60825 Class 2
<b>LED Classification</b>	IEC 62471 LED Class: Exempt
Warranty	
<b>Warranty</b>	3-year factory warranty

# Datalogic Rugged Handheld Barcode Scanners Accessories



## Communication Cables

Datalogic Rugged Barcode Handheld Scanners Accessories – Communication Cables					
Part Number	Price	Cable Type	Connection 1	Connection 2	Cable Length
<a href="#"><u>CAB-549</u></a>	\$43.00	Coiled	RJ50	9-pin female D-sub	8ft [2.43 m]
<a href="#"><u>CAB-548</u></a>	\$36.00	Straight	RJ50	9-pin female D-sub	5ft [1.52 m]
<a href="#"><u>CAB-551</u></a>	\$36.00	Straight	RJ50	USB-A	6.5 ft [2m]

[CAB-549](#)[CAB-548](#)[CAB-551](#)

## Battery

Datalogic Rugged Barcode Handheld Scanners Accessories – Battery			
Part Number	Price	Item	Battery Power
<a href="#"><u>RBP-PM96</u></a>	\$60.00	Replacement Battery	11.9 Wh

[RBP-PM96](#)

## Power Cables

Datalogic Rugged Barcode Handheld Scanners Accessories – Power Cables					
Part Number	Price	Item	Voltage	Voltage Type	Fits
<a href="#"><u>8-0935</u></a>	\$24.00	US power cable	12VDC	AC/DC	PowerScan 960X Series base stations BC9630-BT and BC9630-910
<a href="#"><u>6003-0941</u></a>	\$7.00	US power cable	110VAC	AC	Datalogic power supply 8-0935

[8-0935](#)[6003-0941](#)

## Mount

Datalogic Rugged Barcode Handheld Scanners Accessories – Vehicle Mount		
Part Number	Price	Item
<a href="#"><u>VMK-P096</u></a>	\$118.00	Vehicle mount

[VMK-P096](#)

**VMK-P096 bracket, shown here with base station and scanner, mounted to a fork truck, lift truck or other machine column.**