# ODATALOGIC POWERSCAN<sup>™</sup> 9600 SERIES

### Handheld industrial scanners for 1D/2D barcode reading with top flexibility



#### ULTRA-RUGGED WITH NEW BALANCED ERGONOMICS!

The PowerScan family of bar code readers are the ultimate industrial handheld scanners designed and constructed to withstand the toughest environmental conditions. The PowerScan 9600 imagers have an ultra-rugged design, an ergonomic shape with well-balanced weight to reduce operator stress during daily activities.

#### MOBILITY ENHANCES PRODUCTIVITY

The PowerScan PM9600 cordless model further enhances the operator efficiency and safety with Datalogic's STAR Cordless System™. Bidirectional radio communication and display allow users to receive immediate feedback avoiding any risk of mistakes.

The PowerScan PBT9600 cordless model is enriched with Bluetooth® 5.0 that can be paired to any device supporting Bluetooth connections, or to the Bluetooth base station.

The BC9600 base/charger has a modular design and is available with multiple interface plug-ins for standard and industrial communication, such as RS-232, USB, Standard Ethernet and Industrial Ethernet protocols.

#### WIRELESS CHARGING

The PowerScan 9600 scanner features Datalogic's Wireless Charging System. Based on inductive-charging technology, Datalogic's Wireless Charging System eliminates battery contacts and pins that often get dirty, bent, or broken over time – and this removes a key point of failure for devices used in industrial and retail functions.

#### THREE OPTIC OPTIONS TO FULFILL ANY CUSTOMER NEED

The PowerScan 9600 area imagers are available in three different optics, to satisfy any customer need. The Standard Range optic is ideal for most of the applications requiring barcode reading at intuitive distance; the High Performance optic adds the capability to decode high density barcodes together with an increased depth of field on standard 1D/2D codes; the Document Capture model is thought for Wide Angle code reading and Document Capture applications.

#### **FEATURES**

- Snappy omnidirectional reading on 1D, stacked and 2D codes, postal codes
- Standard Range and High Performance models
- Water and Particulate Sealing Rating: IP65 and IP67; Cradle IP65; 10 million hits trigger
- Center of gravity design
- Modular cradle design allowing interface expansion
- White light illumination
- High visibility OLED Display with 4-Keys /16-Keys keypad options
- Standard Range, High Performance and Document capture optics
- Datalogic's 3GL™ (3 Green Lights) technology and loud beeper for good-read feedback
- Datalogic's Motionix<sup>™</sup> motion-sensing technology
- Wireless Charging reducing total cost of ownership
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI.

#### **INDUSTRIES - APPLICATIONS**

- 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:
- Warenouse and Logistic Cente
   Chinging (Desciving)
- Shipping / ReceivingParcel Preparation
- Parcel Preparation
   Distance (Distance)
- Picking / Put Away
- Automatic Sorting Back-Up
- End of Line Sorting



## POWERSCAN 9600 SERIES TECHNICAL SPECIFICATIONS

#### WIRELESS COMMUNICATIONS

Datalogic STAR Cordless System Radio Frequency, 433 MHz; 190 MHz; Effective Radiated Power, 433 MHz; 190 MHz; 100 MHz; 650 MW; Point-Onin/Multi-Point Configuration; Max, Readers per Radio Receiver: 16; Two Way Communications. Radio Frequency: 24 SH2; 150 m / 492 ft low speed: 100 m / 328 ft high speed 910 MHz; 230 m / 754 ft low speed; forequency hopping; 180 m / 590 ft high speed         PowerScan PBT9600       Bluetooth Wireless Technology Radio Frequency: 24 SH2; Profiles: SPP (Serial Port Profile) and HD (Human Interface Device); Protocol: Bluetooth 5.0 Certified. Class 1, Class 2 and Class 3; Radio Range (Open Air); 100.0 m / 328 0 ft; Range distances are measured using the base station. Range with connection to other Bluetooth peripherals. Security: Data Encryption; Scamer Authentication         DECODING CAPABLITY       Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.         20 Codes       Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code; Dot Code         Postal Codes       Post; Branet Code; Postnet; Royal Mail Code (RM4SCC)         Stacked Codes       DataBar Expanded Stacked; GS1 DataBar Composites; GS1 DataBar Stacked Omidirectional; MacroPDF; MicroPDF417; PDF417; PDF417; PDF4		
Radio Frequency: 2.4 GHz; Profiles: SPP (Serial Port Profile) and         PowerScan PBT9600         28.0 ft; Range distances are measured using the base station.         Range with connection to other Bluetons 5.0 certified.         Class 1, Class 2 and Class 3; Radio Range (Open Air): 100.0 m / 320.0 ft; Range distances are measured using the base station.         Range with connection to other Bluetons 5.0 certified.         DECODING CAPABILITY         1D / Linear Codes         Auto discriminates all standard 1D codes including GS1         DataBar <sup>TM</sup> linear codes.         2D Codes         Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code; Dot Code         Postal Codes         Postal Codes         Postal Codes         DiataBar The part of the post provide the provide the post provide t	PowerScan PM9600	Radio Frequency: 433 MHz; 910 MHz; Effective Radiated Power: 433 MHz: < 10 mW; 910 MHz: < 50 mW; Point-to-Point/Multi-Point Configuration; Max. Readers per Radio Receiver: 16; Two Way Communications. Radio Range (Open Air): 433 MHz: 150 m / 492 ft Iow speed; 100 m / 328 th high speed 910 MHz: 230 m / 754 ft low speed; frequency hopping; 180 m /
1D / Linear Codes       Auto discriminates 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; Dot Code         Postal Codes       Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Postnet; Royal Mail Code (RMASCC)         Stacked Codes       EAN JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites         Digital Watermarking       Digimarc Barcodes (HP and DC models)         ELECTRICAL       Corded models: Operating (Typical): SR: 200mA @ 5V; 120mA @ 12V. HP/DC: 280mA @ 5V / 140mA @ 12V. Standby/Idle (Typical): 187mA @ 5V / 92mA @ 12V. Cordless models: Derating 480 mA @ 3.7 V. Charging (Typical < 15 W. Cradle BC96xx only: 150 mA @ 5 V (0perative)         Input Voltage       Cordes models: 5 - 30 VDC ± 5% Cordless models: Host powered: 5V D C ± 5% or 10 - 30 VDC External power supply: 10 - 30 VDC ± 5% Battery         Battery       Cardes to darge 100%, External Power: Reads per charge: 80,000         ENVIRONMENTAL       0 - 100,000 lux         Mithstands 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 °         Trigger Resistance       Withstands 50 drops from 2.0 m / 6.6 ft @ -20 °C / -4 °         Trigger Resistance       Withstands 50 drops from 2.0 m / 6.6 ft @ -20 °C / 68 °F; Withstands 50 drops from 2.0 m / 6.6 ft @ -20 °C / 68 °F; Withstands 50 drops from 2.0 m / 6.6 ft @ -20 °C /	PowerScan PBT9600	Radio Frequency: 2.4 GHz; Profiles: SPP (Serial Port Profile) and HID (Human Interface Device); Protocol: Bluetooth 5.0 Certified. Class 1, Class 2 and Class 3; Radio Range (Open Air): 100.0 m / 328.0 ft; Range distances are measured using the base station. Range with connection to other Bluetooth peripherals.
ID / Linear Codes       DataBar™ linear codes.         2D Codes       Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code; Dot Code         Postal Codes       Australian Post; British Post; China Post; IMB; Japanese         Postal Codes       Post; KIX Post; Planet Code; Dot tode         RMASCC)       EAN/JAN Composites; GS1 DataBar Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Codes         Digital Watermarking       Digimarc Barcodes (HP and DC models)         ELECTRICAL       Corded models: Operating (Typical):         SR: 200mA @ 5V; 120mA @ 12V. HP/DC: 280mA @ 5V / 140mA @ 5V / 20mA @ 12V. Cordless models: Operating 480 mA @ 3.7 V. Charging (Typical): SR: 200mA @ 5V (120mA @ 12V. Cordless models: Operating 480 mA @ 3.7 V. Charging (Typical): 150 mA @ 5 V (Operative)         Current       Corded models: 5 - 30 VDC ± 5%         Input Voltage       Corde models: 5 - 30 VDC ± 5%         Battery       Battery Type: Lithium-Ion: 3350 mAh         Charge time @ 12 VDC: 2.5 hours to charge up to 95%, 3.2 hours to charge 100%, External Power. Reads per charge: 80,000         ENVIRONMENTAL       Ambient Light         Ambient Light       0 - 100,000 lux         Drop Resistance       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 °         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%	DECODING CAPABIL	.ITY
ZD Codes       Micro QR Code; QR Code; Dot Code         Postal Codes       Australian Post; British Post; China Post; IMB; Japanese         Postal Codes       Post, KIX Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)         Stacked Codes       DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites         Digital Watermarking       Digimarc Barcodes (HP and DC models)         ELECTRICAL       Corded models: Operating (Typical): SR: 200mA @ SV; 120mA @ 12V. HP/DC: 280mA @ SV / 140mA @ 12V. Standby/Idle (Typical): 187mA @ 5V / 92mA @ 12V. Cordlees models: Operating 480 mA @ 3.7 V. Charging (Typical) < 15 W. Cradle BC96xx only: 150 mA @ 5 V (Operative)         Input Voltage       Corded models: 5 - 30 VDC ± 5% Cordles: models: Host powerel: SV DC ± 5% or 10 - 30 VDC External power supply: 10 - 30 VDC ± 5%         Battery       3.2 hours to charge 100%, External Power. Reads per charge: 80,000         ENVIRONMENTAL       Mithstands 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 °         Trigger Resistance       Withstands 10 million hits         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         Operating: -20 to 50 °C / -4 to 128 °F Charging: 0 to 40 °C / 32 to 104 °F nominal; 0 to 35 °C / 32 to 95 °F ideal	1D / Linear Codes	
Postal Codes       Post; KIX Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)         EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites         Digital Watermarking       Digimarc Barcodes (HP and DC models)         ELECTRICAL       Corded models: Operating (Typical): SR: 200mA @ 5V; 120mA @ 12V. HP/DC: 280mA @ 5V / 140mA @ 12V. Standby/Idle (Typical): 187mA @ 5V / 92mA @ 12V. Cordless models: Operating 480 mA @ 3.7 V. Charging (Typical) < 15 W. Cradle BC96xx only: 150 mA @ 5 V (Operative)         Current       Corded models: 5 - 30 VDC ± 5%         Input Voltage       Corded models: Host powered: 5V DC ± 5% or 10 - 30 VDC External power supply: 10 - 30 VDC ± 5%         Battery       Charge time @ 12 VDC: 2.5 hours to charge up to 95%, 3.2 hours to charge 100%, External Power. Reads per charge: 80,000         ENVIRONMENTAL       Mithstands 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 °         Trigger Resistance       Withstands 10 million hits         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F / charging: 0 to 40 °C / 32 to 104 °F nominal; 0 to 35 °C / 32 to 95 °F / ideal <th>2D Codes</th> <th></th>	2D Codes	
Stacked Codes       DataBar Expanded Stacked; GS1 DataBar Stacked; GS1         DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites       Diginarc Barcodes (HP and DC models)         ELECTRICAL       Corded models: Operating (Typical): SR: 200mA © 5V; 120mA @ 12V. HP/DC: 280mA @ 5V / 140m/ @ 12V. Standby/Idle (Typical): 187mA © 5V / 92mA @ 12V. Cordless models: Operating 480 mA @ 3.7 V. Charging (Typical) < 15 W. Cradle BC96xx only: 150 mA @ 5 V (Operative)         Input Voltage       Corded models: 5 - 30 VDC ± 5% Cordless models: Host powered: 5V DC ± 5% or 10 - 30 VDC External power supply: 10 - 30 VDC ± 5%         Battery       Battery Type: Lithium-Ion: 3350 mAh Charge time @ 12 VDC: 2.5 hours to charge up to 95%, 3.2 hours to charge 100%, External Power. Reads per charge: 80,000         ENVIRONMENTAL       Mithstands 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 °         Trigger Resistance       Withstands 10 million hits         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal	Postal Codes	Post; KIX Post; Planet Code; Postnet; Royal Mail Code
ELECTRICAL         Current       Corded models: Operating (Typical): SR: 200mA @ 5V; 120mA @ 12V. HP/DC: 280mA @ 5V / 140mA @ 12V. Standby/Idle (Typical): 187mA @ 5V / 92mA @ 12V. Cordless models: Operating 480 mA @ 3.7 V. Charging (Typical) < 15 W. Cradle BC96xx only: 150 mA @ 5 V (Operative)         Input Voltage       Corded models: 5 - 30 VDC ± 5% Cordless models: Host powered: 5V DC ± 5% or 10 - 30 VDC External power supply: 10 - 30 VDC ± 5%         Battery       Battery Type: Lithium-Ion: 3350 mAh Charge time @ 12 VDC: 2.5 hours to charge up to 95%, 3.2 hours to charge 100%, External Power. Reads per charge: 80,000         ENVIRONMENTAL       0 - 100,000 lux         Drop Resistance       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 °         Trigger Resistance       Withstands 10 million hits         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal	Stacked Codes	DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417;
Current       Corded models: Operating (Typical): SR: 200mA @ 5V; 120mA @ 12V. HP/DC: 280mA @ 5V / 140mA @ 12V. Standby/Idle (Typical): 187mA @ 5V / 92mA @ 12V. Cordless models: Operating 480 mA @ 3.7 V. Charging (Typical) < 15 W. Cradle BC96xx only: 150 mA @ 5 V (Operative)         Input Voltage       Corded models: 5 - 30 VDC ± 5% Cordless models: Host powered: 5V DC ± 5% or 10 - 30 VDC External power supply: 10 - 30 VDC ± 5%         Battery       Battery Type: Lithium-Ion: 3350 mAh Charge time @ 12 VDC: 2.5 hours to charge up to 95%, 3.2 hours to charge 100%, External Power. Reads per charge: 80,000         ENVIRONMENTAL       0 - 100,000 lux         Drop Resistance       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 °         Trigger Resistance       Withstands 10 million hits         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal	•	Digimarc Barcodes (HP and DC models)
Current       SR: 200mA @ 5V; 120mA @ 12V. HP/DC: 280mA @ 5V / 140mA         @ 12V. Standby/Idle (Typical): 187mA @ 5V / 92mA @ 12V.         Cordless models: Operating 480 mA @ 3.7 V. Charging (Typical) < 15 W.         Cradle BC96xx only: 150 mA @ 5 V (Operative)         Corded models: 5 - 30 VDC ± 5%         Input Voltage         Corded models: Host powered: 5V DC ± 5% or 10 - 30 VDC External power supply: 10 - 30 VDC ± 5%         Battery         Battery         Battery         S.2 hours to charge up to 95%, 3.2 hours to charge up to 95%, 3.2 hours to charge 100%, External Power.         Reads per charge: 80,000         ENVIRONMENTAL         Ambient Light       0 - 100,000 lux         Drop Resistance       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 °         Trigger Resistance       Withstands 10 million hits         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water sealing       IP67 and IP65; Cradle IP65 (specific models)         Operating: -20 to 50 °C / -4 to 122 °F       Storage/Transport: -40 to 70 °C / -40 to 158 °F         Temperature       Operating: 0 to 40 °C / 32 to 104 °F nominal; 0 to 35 °C / 32 to 95 °F ideal         INTERFACES       INTERFACES   <	ELECTRICAL	
Input Voltage       Corded models: 5 - 30 VDC ± 5%         Cordless models: Host powered: 5V DC ± 5% or 10 - 30 VDC         External power supply: 10 - 30 VDC ± 5%         Battery         Battery         Battery         Battery         Battery         S2 hours to charge 100%, External Power.         Reads per charge: 80,000         ENVIRONMENTAL         Ambient Light       0 - 100,000 lux         Drop Resistance       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 °         Trigger Resistance       Withstands 10 million hits         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water selling       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal       INTERFACES	Current	SR: 200mA @ 5V; 120mA @ 12V. HP/DC: 280mA @ 5V / 140mA @ 12V. Standby/Idle (Typical): 187mA @ 5V / 92mA @ 12V. Cordless models: Operating 480 mA @ 3.7 V. Charging (Typical) < 15 W.
Battery       Charge time @ 12 VDC: 2.5 hours to charge up to 95%, 3.2 hours to charge 100%, External Power. Reads per charge: 80,000         ENVIRONMENTAL       0 - 100,000 lux         Ambient Light       0 - 100,000 lux         Drop Resistance       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 °         Trigger Resistance       Withstands 10 million hits         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal         INTERFACES       INTERFACES	Input Voltage	Corded models: 5 - 30 VDC ± 5% Cordless models: Host powered: 5V DC ± 5% or 10 - 30 VDC
Ambient Light       0 - 100,000 lux         Drop Resistance       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 °         Trigger Resistance       Withstands 10 million hits         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal         INTERFACES       INTERFACES	Battery	Charge time @ 12 VDC: 2.5 hours to charge up to 95%, 3.2 hours to charge 100%, External Power.
Drop Resistance       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 °         Trigger Resistance       Withstands 10 million hits         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal         INTERFACES       INTERFACES	ENVIRONMENTAL	
Drop Resistance       Withstands 50 drops from 2.0 m / 6.6 ft @ -20 °C / -4 °         Trigger Resistance       Withstands 10 million hits         ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal         INTERFACES	Ambient Light	0 - 100,000 lux
ESD Protection (Air Discharge)       20 kV         Humidity (Non-Condensing)       0 - 95%         Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal         INTERFACES	Drop Resistance	
Humidity (Non-Condensing)       0 - 95%         Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal         INTERFACES	Trigger Resistance	Withstands 10 million hits
Particulate and Water Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal         INTERFACES	ESD Protection (Air Discharge)	20 kV
Sealing       IP67 and IP65; Cradle IP65 (specific models)         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 nominal; 0 to 35 °C / 32 to 95 °F ideal         INTERFACES	Humidity (Non-Condensing)	0 - 95%
Temperature         Storage/Transport: -40 to 70 °C / -40 to 158 °F Charging: 0 to 40 °C / 32 to 104 °F nominal; 0 to 35 °C / 32 to 95 °F ideal           INTERFACES		IP67 and IP65; Cradle IP65 (specific models)
	,	Storage/Transport: -40 to 70 °C / -40 to 158 °F Charging: 0 to 40 °C / 32 to 104 °F nominal; 0 to 35 °C / 32 to
Interfaces RS-232 / USB / Ethernet and Industrial Protocols		
	Interfaces	RS-232 / USB / Ethernet and Industrial Protocols

PHYSICAL CHARACTERISTICS         Colors Available       Yellow/Black         Dimensions H x L x W       Corded models: 19.0 x 14.0 x 7.9 cm / 7.5 x 5.5 x 3.1 in Cordless models: 19.7 x 14.9 x 7.9 cm / 7.8 x 5.9 x 3.1 i         Display       PM9600-D/DK. 1.8" OLED graphic display; Font Dimensions: User selectable.         Keyboard       PM9600-D: 4 Keys, PM9600-DK: 16 Keys; Configurable         Weight       PD9630: 318 g / 11.2 oz, PBT9600: 415 g / 14.6 oz, PM9600-DK: 455 g / 15.0 oz         READING PERFORMANCE       Imager Sensor       1280 x 800 pixels         Light Source       Aiming: 630 - 680 nm VLD Illumination: White LED reading light
Dimensions H x L x W       Corded models: 19.0 x 14.0 x 7.9 cm / 7.5 x 5.5 x 3.1 in Cordless models: 19.7 x 14.9 x 7.9 cm / 7.8 x 5.9 x 3.1 i         Display       PM9600-D/DK. 1.8" OLED graphic display; Font Dimensions: User selectable.         Keyboard       PM9600-D: 4 Keys, PM9600-DK: 16 Keys; Configurable         Weight       PD9630: 318 g / 11.2 oz, PB79600: 415 g / 14.6 oz, PM9600-DK: 455 g / 15.0 oz         READING PERFORMANCE       Imager Sensor         1280 x 800 pixels       Aiming: 630 - 680 nm VLD Illumination: White LED reading light
Dimensions H x L x W       Cordless models: 19.7 x 14.9 x 7.9 cm / 7.8 x 5.9 x 3.1 i         Display       PM9600-D/DK. 1.8" OLED graphic display; Font Dimensions: User selectable.         Keyboard       PM9600-D: 4 Keys, PM9600-DK: 16 Keys; Configurable         Weight       PD9630: 318 g / 11.2 oz, PBT9600: 415 g / 14.6 oz, PM9600-DK: 425 g / 15.0 oz, PM9600-D: 445 g / 15.7 oz, PM9600-DK: 455 g / 16.0 oz         READING PERFORMANCE       Imager Sensor         Light Source       Aiming: 630 - 680 nm VLD Illumination: White LED reading light
Display         Font Dimensions: User selectable.           Keyboard         PM9600-D: 4 Keys, PM9600-DK: 16 Keys; Configurable           Weight         PD9630: 318 g / 11.2 oz, PBT9600: 415 g / 14.6 oz, PM9600: 425 g / 15.0 oz, PM9600-D: 445 g / 15.7 oz, PM9600-DK: 455 g / 16.0 oz           READING PERFORMANCE         Imager Sensor           Light Source         Aiming: 630 - 680 nm VLD Illumination: White LED reading light
Weight         PD9630: 318 g / 11.2 oz, PBT9600: 415 g / 14.6 oz, PM9600: 425 g / 15.0 oz, PM9600-D: 445 g / 15.7 oz, PM9600-DK: 455 g / 16.0 oz           READING PERFORMANCE           Imager Sensor         1280 x 800 pixels           Light Source         Aiming: 630 - 680 nm VLD Illumination: White LED reading light
Weight         PM9600: 425 g / 15.0 oz, PM9600-D: 445 g / 15.7 oz, PM9600-DK: 455 g / 16.0 oz           READING PERFORMANCE           Imager Sensor         1280 x 800 pixels           Light Source         Aiming: 630 - 680 nm VLD Illumination: White LED reading light
Imager Sensor     1280 x 800 pixels       Light Source     Aiming: 630 - 680 nm VLD Illumination: White LED reading light
Light Source         Aiming: 630 - 680 nm VLD           Illumination: White LED reading light
Light Source Illumination: White LED reading light
Print Contrast Ratio (Minimum) 15%
<b>Reading Angle</b> Pitch: +/- 52°; Roll (Tilt): 360°; Skew (Yaw): +/- 52°
Field of View SR and HP: 38° H, 24° V
Reading Indicators         Beeper (Adjustable Tone and Volume); Datalogic's 3GL (Three Green Lights) technology for good-read feedbac Datalogic 'Green Spot'; Dual Good Read LEDs; Vibration
Resolution (Maximum) SR/DC: 1D Codes: 3 mil; 2D Codes: 6 mil HP: 1D Codes: 2.5 mil; 2D Codes: 4 mil
READING RANGES
Typical Depth of Field         Minimum distance determined by symbol length and so angle. Printing resolution, contrast, and ambient light dependent.
SR Models         HP Models           Code 128         Code 128           5 mils: 6.4 to 30.9 cm / 2.5 to 12.2 in         2.5 mils: 6.3 to 11.5 cm / 2.5 to 4.5 in           20 mils: 4 to 103.7 cm / 1.6 to 40.8 in         5 mils: 3.8 to 41 cm / 1.5 to 16.1 in           40 mils: 5.5 to 175 cm / 2.2 to 68.9 in         40 mils: 5.5 to 242.9 cm / 2.1 to 95.6 in           EAN/UPC 13 mils: 4 to 67.5 cm / 1.5 to 26.5 in         EAN/UPC 13 mils: 0.5 to 46.1 cm / 0.2 to 18.
DataMatrix 10 mils: 6.6 66 66 mil 2.6 66 mil 2.6 67 mils: 6.6 66 46 mil 6.2 66 66 mil 7.2 6 mil 7.2 6 mil 7.2 mil 7.2 6 66 mil 7.2 6 66 mil 7.2 mil 7
DataMatrix 10 mils: 4.2 to 32 cm /1.6 to 12.
DataMatrix 10 mils: 4.2 to 32 cm /1.6 to 12.         SAFETY & REGULATORY         Agency Approvals         The product meets necessary safety and regulatory approvals for its intended use. The Regulatory Addendum for this product can be
DataMatrix 10 mils: 4.2 to 32 cm /1.6 to 12.         SAFETY & REGULATORY         Agency Approvals       The product meets necessary safety and regulatory approvals for its intended use. The Regulatory Addendum for this product can be referred to for a complete list of certifications.         Environmental Compliance       Complies to China RoHS; Complies to EU RoHS;
DataMatrix 10 mils: 4.2 to 32 cm /1.6 to 12.         SAFETY & REGULATORY         Agency Approvals       The product meets necessary safety and regulatory approvals for its intended use. The Regulatory Addendum for this product can be referred to for a complete list of certifications.         Environmental Compliance       Complies to China RoHS; Complies to EU RoHS; Complies to R.E.A.C.H.         Laser Classification       Causion Laser Radiation - Do not stare into beam CDRH Class II; IEC 60825 Class 2         LED Classification       IEC 62471 LED Class: Exempt
DataMatrix 10 mils: 4.2 to 32 cm /1.6 to 12.         SAFETY & REGULATORY         Agency Approvals       The product meets necessary safety and regulatory approvals for its intended use. The Regulatory Addendum for this product can be referred to for a complete list of certifications.         Environmental Compliance       Complies to China RoHS; Complies to EU RoHS; Complies to R.E.A.C.H.         Laser Classification       Caution Laser Radiation - Do not stare into beam CDRH Class II; IEC 60825 Class 2
DataMatrix 10 mils: 4.2 to 32 cm /1.6 to 12.         SAFETY & REGULATORY         Agency Approvals       The product meets necessary safety and regulatory approvals for its intended use. The Regulatory Addendum for this product can be referred to for a complete list of certifications.         Environmental Compliance       Complies to China ROHS; Complies to EU ROHS; Complies to R.E.A.C.H.         Laser Classification       Causton Laser Radiation - Do not stare into beam CDRH Class II; IEC 60825 Class 2         LED Classification       IEC 62471 LED Class: Exempt
DataMatrix 10 mils: 4.2 to 32 cm /1.6 to 12.         SAFETY & REGULATORY         Agency Approvals       The product meets necessary safety and regulatory approvals for its intended use. The Regulatory Addendum for this product can be referred to for a complete list of certifications.         Environmental Compliance       Complies to China RoHS; Complies to EU RoHS; Complies to R.E.A.C.H.         Laser Classification       Caution Laser Radiation - Do not stare into beam CDR! Class II; IEC 60825 Class 2         LED Classification       IEC 62471 LED Class: Exempt         UTILLITIES       Datalogic Aladdin configuration program is available for
DataMatrix 10 mils: 4.2 to 32 cm /1.6 to 12.         SAFETY & REGULATORY         Agency Approvals       The product meets necessary safety and regulatory approvals for its intended use. The Regulatory Addendum for this product can be referred to for a complete list of certifications.         Environmental Compliance       Complies to China RoHS; Complies to EU RoHS; Complies to R.E.A.C.H.         Laser Classification       Caution Laser Radiation - Do not stare into beam CDR! Class II; IEC 60825 Class 2         LED Classification       IEC 62471 LED Class: Exempt         UTILITIES       Datalogic Aladdin configuration program is available for download at no charge.         0POS / ImaPOS       OPOS and JavaPOS Utilities are available for download

## ACCESSORIES

#### **Base Stations / Chargers**



BC9630 Base station/charger Multi-Interface BC9631 Base station/charger Multi-Interface, IP65 Battery



RBP-PM96 Removable battery

**Multi-Battery Charger** 



MC-P096-M2 Multi Battery Charger 2 slots MC-P096-M4 Multi Battery Charger 4 slots MC-P096-E2 Extension modules 2 slots Holder



HLD-P096 Desk/Wall Holder (HLD-9600)

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