

# POWERSCAN™ PBT9300 AR LASER



## BUILT TO LAST

PowerScan™ bar code readers are the ultimate industrial handheld devices, designed and constructed to withstand the toughest environmental conditions in demanding applications, offering lasting performance and outstanding reliability combined with exceptional reading performance and accuracy.

The PowerScan™ PBT9300 series is a Laser Auto Range (AR) scanner with extra-long reading range capabilities for reading linear codes. This laser scanner features standard Bluetooth® wireless technology combined with the outstanding reliability and reading performance found in all PowerScan products.

## SIMPLE TO USE AND DEPLOY

Based on Bluetooth 3.0 standard wireless technology, Class 1 Range (in open air); up to 100 m / 328 ft. Connectivity is implemented through the receiving base station, which communicates to the host through a choice of interfaces (Serial, USB or Keyboard Wedge) or by connecting the scanner directly to any commercial or embedded Bluetooth compliant device, or via Ethernet by using the BC9180-BT base/charger using Standard Ethernet and Industrial Ethernet protocols (Ethernet IP and Modbus).

## WIDE READING CAPABILITY

The PowerScan PBT9300 scanner mounted on a forklift with a Vehicle Mount Terminal (VMT) provides an excellent solution for warehouse applications.

The PowerScan PBT9300 laser scanner is available in two different optics: Standard Range (SR) or Auto Range (AR) for reading distances up to 11.5 m / 37.0 ft on reflective codes.



## FEATURES

- Bluetooth 3.0 Class 1 compliant
- Supports Bluetooth wireless technology SPP and HID profiles
- Piconet with up to 7 scanners connected to the same base station
- Ethernet Connectivity (Standard and Industrial)
- Optics available in:
  - **Auto Range:** up to 11.5 m / 37.0 ft on reflective codes
- 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 - APPLICATION

- Warehouse and Distribution Centers: Shipping and Receiving, Order Processing, Parcel Preparation, Pallet Tracking and Put-away
- Manufacturing / Shop Floor: Work in Progress, Component Tracking, Quality Control and Inventory



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## TECHNICAL SPECIFICATIONS

### CORDLESS COMMUNICATIONS

<b>Bluetooth Wireless Technology</b>	Maximum number of devices per base station: 7
<b>Profiles</b>	HID (Human Interface Device) SPP (Serial Port Profile)
<b>Protocol</b>	Bluetooth 3.0 Certified Class 1
<b>Radio Frequency</b>	2.40 to 2.48 GHz
<b>Radio Range (Open Air)</b>	Class 1: up to 100 m / 328 ft Range distances are measured using the base station. Range with connection to other Bluetooth peripherals may show different results.
<b>Security</b>	Data Encryption; Scanner Authentication

### DECODING CAPABILITY

<b>PBT9300-ARXX</b>	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, Standard 2 of 5, MSI, Code 93
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### ELECTRICAL

<b>Battery</b>	Li-Ion 2150 mAh; Charge Time: External Power: 4 Hours; Host Power: 10 Hours;
<b>Reads Per Charge</b>	50,000+ (continuous reading)
<b>Cradle Indicator LEDs</b>	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
<b>Current</b>	Operating (Typical): External Power: Max. 10 W (charging); POT: Max. 500 mA (charging)
<b>Input Voltage</b>	External: 10 - 30 VDC; POT: 5 VDC +/- 10%

### ENVIRONMENTAL

<b>Ambient Light</b>	Immune to light exposure in offices/facilities and direct exposure to sunlight
<b>Drop Resistance</b>	Withstands 50 drops from 2.0 m / 6.5 ft onto a concrete surface
<b>ESD Protection (Air Discharge)</b>	20 kV
<b>Humidity (Non-Condensing)</b>	0 - 95%
<b>Particulate and Water Sealing</b>	IP65
<b>Temperature</b>	Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

### INTERFACES

<b>Interfaces</b>	Keyboard Wedge RS-232; USB: OEM USB; USB COM; USB HID Keyboard; Optional Ethernet (Standard, Industrial)
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### PHYSICAL CHARACTERISTICS

<b>Dimensions</b>	Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in PBT9300-AR: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
<b>Weight</b>	Cradle: 380.0 g / 13.4 oz; PBT9300-ARXX: 435.0 g / 15.3 oz

### READING PERFORMANCE

<b>Light Source</b>	630 - 680 nm VLD
<b>Print Contrast Ratio (Minimum)</b>	25%
<b>Scan Rate</b>	PBT9300-ARXX: 35 +/- 5 scans/sec.
<b>Reading Angle</b>	PBT9300-ARXX: Pitch: 60°; Roll (Tilt): +/- 10°; Skew (Yaw): +/- 65°
<b>Reading Indicators</b>	Beeper; Datalogic Three Green Lights (3GL™) Good Read Feedback: Datalogic 'Green Spot' on the Code, Dual Good Read LEDs; Good Transmission
<b>Resolution (Maximum)</b>	PBT9300 Auto Range: 0.190 mm / 7.5 mils

### READING RANGES

<b>Typical Depth of Field</b>	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast and ambient light dependent.
<b>PBT9300 AR: Code 39</b>	7.5 mils: 9.0 to 50.0 cm / 3.5 to 19.7 in 10 mils: 14.0 to 85.0 cm / 5.5 to 33.5 in 15 mils: 15.0 to 155.0 cm / 5.9 to 61.0 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 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 <b>Note:</b> Reading Performances may change with different symbologies

### SAFETY & REGULATORY

<b>Agency Approvals</b>	The product meets necessary safety and regulatory approvals for its intended use. See the Regulatory Addendum for details.
<b>Environmental Compliance</b>	Complies to China RoHS; Complies to EU RoHS
<b>Laser Classification</b>	Caution Laser Radiation - Do not stare into beam; CDRH Class II; IEC 60825-1 Class 2

### UTILITIES

<b>Datalogic Aladdin™</b>	Datalogic Aladdin configuration program is available for download at no charge.
<b>OPOS / JavaPOS</b>	OPOS and JavaPOS utilities are available for download at no charge.
<b>Remote Host Download</b>	Available on request

### WARRANTY

<b>Warranty</b>	3-Year Factory Warranty
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## ACCESSORIES

### Base Stations/Chargers



BC9030-BT Base/Charger, Multi-Interface



BC9130-BT Base/Dual Charger, Multi-Interface  
BC9180-BT Base/Dual Charger/Ethernet (Standard, Industrial)

### Cases/Holsters



HLS-P080 Universal Holster (HLS-8000)

### Mounts/Stands



HLD-P080 Desk/Wall Holder (HLD-8000)



7-0404 Industrial Take-Up Reel