

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

Bluetooth Wireless Technology	Maximum number of devices per base station: 7
Profiles	HID (Human Interface Device) SPP (Serial Port Profile)
Protocol	Bluetooth 3.0 Certified Class 1
Radio Frequency	2.40 to 2.48 GHz
Radio Range (Open Air)	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.
Security	Data Encryption; Scanner Authentication

DECODING CAPABILITY

PBT9300-ARXX	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

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 onto a concrete surface
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; USB: OEM USB; USB COM; USB HID Keyboard; Optional Ethernet (Standard, Industrial)
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PHYSICAL CHARACTERISTICS

Dimensions	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
Weight	Cradle: 380.0 g / 13.4 oz; PBT9300-ARXX: 435.0 g / 15.3 oz

READING PERFORMANCE

Light Source	630 - 680 nm VLD
Print Contrast Ratio (Minimum)	25%
Scan Rate	PBT9300-ARXX: 35 +/- 5 scans/sec.
Reading Angle	PBT9300-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)	PBT9300 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.
PBT9300 AR: Code 39	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 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 China RoHS; Complies to EU 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	OPOS and JavaPOS utilities are available for download at no charge.
Remote Host Download	Available on request

WARRANTY

Warranty	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