Datalogic PowerScan 9600 RFID

barcotec
YOUR DIGITAL ENABLING SPECIALIST.

Robuster Hybridscanner für RFID- und Barcode-Anwendungen

Hybrider Scanner für UHF-RFID und Barcodes
Liest sowohl gedruckte Barcodes als auch UHF-RFID-Tags – ideal für Betriebe mit gemischter Infrastruktur

Extreme Robustheit für industrielle Einsätze
Stoßfest bis 2,5 m Fallhöhe, IP65/IP67-geschützt gegen Staub und Wasser, widersteht Temperaturen von -20 bis +50 °C

Kabellose Freiheit mit Bluetooth und Wireless Charging
Bis zu 100 m Reichweite mit Bluetooth 5.0, 80.000 Scans pro Ladung, kontaktloses Aufladen ohne Verschleiß

Optimale Rückmeldung für die Bediener
3 grüne LEDs, akustisches Signal und Vibration sorgen für eindeutiges Scan-Feedback – auch in lauter Umgebung

Modulare Schnittstellen für einfache Integration
Basisstationen USB, RS-232, Ethernet und ProfiNet verfügbar – ideal für den direkten Anschluss an ERP, WMS oder Steuerungssysteme

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Eigenschaften

Lesbare Codes: RFID (UHF, ISO 18000-6C), 1D/2D/gestapelte Codes, OCR, Digimarc

Leseabstand: Barcode bis 1,75 m, RFID bis 1 m

Zielen: LED-Bereichsmarker

Feedback: 3 Grüne LEDs, Beeper, Vibration, Green Spot

Konnektivität: Bluetooth 5.0, Basisstation: USB, RS-232, Ethernet, Profinet

Zusätzliche Features PBT9600-DKDCRF: Fotofunktion, OCR, 1,8" OLED-Display, Tastatur

Akku: bis 80.000 Barcode-Scans, kabelloses Laden

Schutz: IP65, IP67, Cradle IP65, sturzsicher bis 2,5 m

Betriebstemperatur: -20 °C bis +50 °C

Abmessungen: 198 x 150 x 79 mm

Gewicht: 415/455 g

Optionales Zubehör

Basisstationen (verschiedene Schnittstellen)

Halterung (Tisch/Wand)

2-/4-fach Akkuladegerät

Ersatzakku

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WIRELESS COMMUNICATIONS	
Powerscan PBT9600 RFID	**Bluetooth Wireless Technology** 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. Data Rate: 3 Mbit/s (2.1 Mbit/s). Security: Data Encryption; Scanner Authentication
RFID	
Standard	EPC UHF Class 1 Gen 2 (ISO 18000-6C)
Frequency	US: 902 MHz to 928 MHz EU: 865 MHz to 868 MHz
Modulation	ASK
Power	Max 20dBm (configurable)
Reading Range	Up to 1 m / 3.2 ft (linear)
DECODING CAPABILITY	
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 (RM4SCC)
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
Digital Watermarking	Digimarc Barcodes
ELECTRICAL	
Current	Max operating current 1400 mA@ 3.7 V. Charging (Typical) < 15 W. Cradle BC96xx only: 150 mA @ 5 V (Operative)
Input Voltage	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. Barcode reads per charge: up to 80,000 RFID only reads per charge: up to 40,000
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)
Temperature	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	RS-232 / USB / Ethernet and Industrial Protocols

PHYSICAL CHARACTERISTICS	
Colors Available	Black and Blue
Dimensions H x L x W	19.8 x 15.0 x 7.9 cm / 7.8 x 5.9 x 3.1 in
Display	PBT9600-DKDCRF: 1.8" OLED graphic display; Font Dimensions: User selectable.
Keyboard	PBT9600-DKDCRF: 16 Keys; Configurable
Weight	PBT9600-SRRF: 415 g / 14.6 oz, PBT9600-DKDCRF: 455 g / 16.0 oz
BARCODES READING PERFORMANCE	
Imager Sensor	SR (PBT9600-SRRF): 1280 x 800 pixels DC (PBT9600-DKDCRF): dual 1280 x 800 pixels, with color sensor
Light Source	Aiming: 630 - 680 nm VLD Illumination: White LED reading light
Print Contrast Ratio (Minimum)	15%
Reading Angle	Pitch: +/- 52°; Roll (Tilt): 360°; Skew (Yaw): +/- 52°
Field of View	38° H, 24° V
Reading Indicators	Beeper (Adjustable Tone and Volume); Datalogic's 3GL™ (Three Green Lights) technology for good-read feedback; Datalogic 'Green Spot'; Dual Good Read LEDs; Vibration.
Resolution (Maximum)	1D Codes: 3 mil; 2D Codes: 6 mil
READING RANGES	
Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

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 & REGULATORY	
Agency Approvals (US/ Canada and EU)	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 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
LED Classification	IEC 62471 LED Class: Exempt
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.
WARRANTY	
Warranty	3-Year Factory Warranty