Ficha técnica Datalogic PowerScan 9300

Extracto técnico del documento oficial Datalogic

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Documento fuente	PowerScan 9300 Family Product Reference Guide (ENG)
Páginas incluidas	327, 328, 329, 330
Fuente oficial	https://cdn.datalogic.com/Download?iddwnfile=29103

Nota de transparencia: esta portada y la selección de páginas han sido preparadas por Projit. El contenido técnico adjunto pertenece al documento oficial de Datalogic indicado arriba; no se presenta como una ficha independiente emitida por el fabricante.

Appendix A
Technical Specifications

The tables that follow contain Physical and Performance Characteristics, User Environment and Regulatory information. Table 49 provides Standard Cable Pinouts.

Table 48. Technical Specifications

Item	Description	
Physical Characteristics		
Dimensions	Height: 212 mm Length: 110 mm Width: 74 mm	
Weight (without cable)	PD9330: 340g; PD9330-AR: 375g PM/PBT9300-XX: 405g; PM/PBT9300-ARXX, PM9300-DXX, PM9300-DKXX: 435g; PM9300-DARXX, PM9300-DKARXX: 465g	
Electrical Characteristics		
PD9330 models		
Voltage & Current	**PD9330**	**PD9330-AR**
Input Voltage	4.5 / 30 VDC	4.5 / 30 VDC
Input Current		
Operating (typical, scanning)	110 mA @ 4.5 V 105 mA @ 5 V 45 mA @ 12 V 25 mA @ 30 V	180 mA @ 4.5 V 170 mA @ 5 V 70 mA @ 12 V 40 mA @ 30 V
Operating (max, reading)	420 mA @ 4.5 V 360 mA @ 5 V 140 mA @ 12 V 65 mA @ 30 V	480 mA @ 4.5 V 420 mA @ 5 V 160 mA @ 12 V 80 mA @ 30 V
Idle/Standby (typical)	45 mA @ 4.5 V 40 mA @ 5 V 20 mA @ 12 V 12 mA @ 30 V	45 mA @ 4.5 V 40 mA @ 5 V 20 mA @ 12 V 12 mA @ 30 V

Item	Description
PBT9300 and PM9300 models	
Battery Type	Li-Ion battery pack
Charge time for full charge from full dis-charge	4,5 hours with external power supply adapter[a]
	Typical 10 hours with Host power (in this case no supply adapter is needed)[a]
Operating autonomy (continuous reading)	PM9300-XX: 50,000+ reads PM9300-ARXX: 40,000+ reads PBT9300-XX: 50,000+ reads PBT9300-ARXX: 40,000+ reads
Cradle consumption and DC input supply range	Volt 10-30 VDC; Power <8W[b]; Max 500 mA when in host/bus powered mode[b].

a. Charge Times are much lower when battery is within daily typical operating condition.
b. Typical input current measured under factory default configuration.

Performance Characteristics

Light Source	Laser	
	PX9300-XX	**PX9300-XXAR**
Roll (Tilt) Tolerance	± 35°	± 10°
Pitch Tolerance	± 40°	± 60°
Skew (Yaw) Tolerance	± 65°	± 65°
Print Contrast Minimum	25% minimum reflectance	
Resolution	3 mils	7.5 mils
Scan Rate	104 (± 12) scans / sec	35 (± 5) scans / sec
Scan Angle	47° max	13.5° (± 0.7°) max

Depth of Field (Typical)

Symbology	PX9X00-XX
Code 39	
5 mils	1.5 - 28 cm / 0.6 - 11″
7.5 mils	1.5 - 42 cm / 0.6 - 16.5″
10 mils	2 - 50 cm / 0.8 - 19.7″
20 mils	2 - 110 cm / 0.8 - 43.3″
40 mils	2 - 160 cm / 0.8 - 63″
EAN 13	2.5 - 65 cm / 1 - 25.6″

Symbology	PX9X00-XXARXX
Code 39	
7.5 mils	9 - 50 cm / 3.5 - 19.7"
10 mils	14 - 85 cm / 5.5 - 33.5"
15 mils	15 - 155 cm / 5.9 - 61"
20 mils	15 - 220 cm / 5.9 - 86.6"
40 mils	20 - 340 cm / 7.9 - 133.9"
55 mils	25 - 420 cm / 9.8 - 165.4"
Reflective Label	
Code 39	
70 mils	Up to 9 m / 29 ft
100 mils	Up to 11.5 m / 37 ft

Note: the reading performances may change with different symbologies.

Decode Capability	
PM9300-XX GS1 Databar linear codes, UPC/EAN (A,E,13,8), UPC/EAN with P2/P5 Addons, UPC/EAN Coupons, ISBN, Code128, EAN128, Code39, Code39 Full ASCII, Code39 CIP, Code 32, Codabar, Interleaved 2 of 5, IATA, Industrial 2 of 5, Standard 2 of 5, Code11, MSI, Plessey, Code 93, Follet 2/5, Code 4, Code 5, Datalogic 2 of 5, Codablock F	
PM9300-XXARXX GS1 Databar linear codes, UPC/EAN, UPC/EAN with P2/P5 Addons, UPC/EAN Coupons, ISBN, Code128, EAN128, Code39, Code39 Full ASCII, Code 32, Codabar, Interleaved 2 of 5, Standard 2 of 5, MSI, Code 93	
Interfaces Supported[a]	RS-232, Keyboard Wedge, and USB.

a. See "Interface Selection" on page 14 for a listing of available interface sets by model type.

Item	Description	
User Environment		
Operating Temperature	-4° to 122° F (-20° to +50° C)	
Storage Temperature	-40° to 158° F (-40° to 70° C)	
Humidity	0 to 95% non-condensing	
Drop Specifications	Scanner withstands >50 times 6.5' (2 m) drops to concrete	
Ambient Light Immunity	**PX9300-XX** 100,000 Lux	**PX9300-XXARXX** 43,000 Lux
Contaminants Spray/Rain/Dust/ Particulates	IP65	
ESD Level	20 KV	

Item	Description		
Regulatory	**PD9330 (Corded Models)**	**PBT9300**	**PM9300**
Electrical Safety	UL 60950, CSA C22.2 No. 60950, IEC 60950	UL 60950, CSA C22.2 No. 60950, IEC 60950	UL 60950, CSA C22.2 No. 60950, IEC 60950
EMI/RFI	North America (FCC) : Part 15 Class B; Canada (IC) : ICES-003 Class B; Russia (Gost); European Union EMC Directive; VCCI-Japan; Korean KCC; Taiwan EMC (BSMI); Australia (ACMA); Mexico (NOM Nyce)	North America (FCC) : Canada (IC); Russia (Gost); European Union R&TTE Directive; Japan; Korean KCC; Taiwan; Australia; Mexico	**433 MHz model** Europe - CE, Russia – Gost; Australia – Ctick; China – SRRC; Singapore – IDA, Anatel Brazil **910 MHz model** USA/Canada – FCC/IC; Mexico – NOM + Cofetel
Laser Safety	IEC Class 2	IEC Class 2	IEC Class 2
Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.			

Radio Features		
PBT9300		
Frequency Working Center	2400 to 2485.5MHz	
Range (in open air)	up to 100 m	
Max number of devices per base station	7	
PM9300		
Frequency Working Center	**433 MHz**	**910 MHz**
Programmable Speed	19.2 kb/s 115.2 kb/s 500 kb/s (default)	36.8 kb/s 500 kb/s (default)
Typical Range (in open air)	50 m (at 500 kb/s) 100 m (at 500 kb/s)	150 m (at 500 kb/s) 400 m (at 36.8 kb/s, frequency hopping) 50 m (at 36.8 kb/s, fixed channel)
Max number of devices per base station	16	