

Ficha técnica Datalogic Gryphon 4100

Extracto técnico del documento oficial Datalogic

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Documento fuente	Gryphon I GD/GBT/GM4100 Product Reference Guide
Páginas incluidas	329, 330, 331
Fuente oficial	https://cdn.datalogic.com/Download?iddwnfile=1608

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Appendix A

Technical Specifications

Table 48 contains Physical and Performance Characteristics, User Environment and Regulatory information. Table 49 provides Standard Cable Pinouts.

Table 48. Technical Specifications

Item	Description	
Physical Characteristics		
Color	White/Gray Gray/Gray	
Dimensions	Height 7.1"/181 mm Length 3.9"/100 mm Width 2.8"/71 mm	
Weight (without cable)	GD 41x0/GD4300 : Approximately 6.0 ounces/169 g GM4100/GBT4100: Approximately 8.7 ounces/246 g BC40x0: Approximately 8.7 ounces/246 g BC40x0-CF: Approximately 10.1 ounces/290 g	
Electrical Characteristics		
Voltage & Current	GD4130 model: 5V±5% Input range. 1.9W max. 360 mA (max) at 5V 2.5 mA RS-232 sleep mode/ USB suspend GD4110 model: 4.5÷14V Input range. Power 1.8W max. 340 mA (max) at 5V. 2.5 mA (RS-232 sleep mode / USB suspend) BC40x0 base: 4.75-14V; Input range. Power 8W max ^a ; Imax 500mA when in host/bus powered mode ^a .	GD4330 model: Input current at 5V±5% = 260 mA (max) 2.5 mA (USB suspend) Standby (typical) <= 30mA GD4310 model: Input Power = 1.2W max in the 4.5÷14V range 2.5 mA (USB suspend) Standby (typical): 30mA @5V (90mA @5V for IBM46xx) BC40x0-CF base: 10-14V; Input range. Power 8W max ^a ; Imax 800mA .
Battery Type	Li-Ion battery pack	
Charge time for full charge from full discharge	4 hours with 12v external power supply adapter ^b	
	Max 22h hours with Host power (In this case no supply adapter is needed) ^b	

Item	Description	
Operating autonomy (continuous reading)	GM4100: 50,000 reads (typical) GBT4100: 30,000 reads (typical)	
Performance Characteristics	GD41x0 model:	GD43x0 model:
Light Source	Dual LEDs	650nm Class 2 Laser
Roll (Tilt) Tolerance	± 35° from normal	
Pitch Tolerance	GD 41x0/GM4100/GBT4100: ± 65° GD4300: ± 50°	
Skew (Yaw) Tolerance	± 65°	
Field of View	10" (25.4cm) wide at 12.5" (31.8cm) from the reader	Scan Angle: 47° (normal) or 35° (narrow)
Depth of Field (Typical) ^c (	3 mil – 2.9" to 4.7" (7.5cm to 12cm) 13 mil ^c – 1.2" to 23.6" (3cm to 60cm) 20 mil – 1.2" to 31.5" (3cm to 80cm)	5 mil - 1.4" to 6.22" (3,6cm to 15,8cm) 13 mil ^c – 0.87" to 18.7" (2,2cm to 47,5cm) 20 mil – up to 27.1" (to 69cm)
Minimum Element Width	3 mil	4 mil
Print Contrast Minimum	15% minimum reflectance	
Decode Capability	UPC/EAN/JAN, P2 /P5, ISBN/ISSN; Code 39, Code39 FullASCII; Italian Pharmacode 39, Code39 CIP; Code 128, GS1-128; C128 ISBT; Code 128 addons; I 2 of 5; Standard 2 of 5; I 2 of 5 CIP HR; Industrial 2 of 5; IATA; Datalogic 2 of 5; Follet 2 of 5; Code 11; Plessey, Anker Plessey; Codabar, ABC Codabar ; Code 93; MSI; GS1 DataBar™ Omnidirectional, GS1 DataBar™ Limited, GS1 DataBar™ Expanded; Code 4, Code 5; Codablock F, Codablock F EAN;	
Interfaces Supported ^d	RS-232 Std, RS-232 Wincor-Nixdorf, RS-232 OPOS, IBM 46xx (ports 5B and 9B), USB Com Std., USB Keyboard, USB Alternate Keyboard,USB OEM, Keyboard Wedge (AT with or w/o Alternate Key, IBM AT PS2 with or w/o Alternate Key, PC-XT, IBM 3153, IBM Terminals 31xx, 32xx,34xx, 37xx make only and make break keyboard, Digital Terminals VT2x, VT3xx, VT4xx, and Apple) and Wand Emulation.	
User Environment		
Operating Temperature	GD 41x0: 32° to 131° F (0° to 55° C) GM4100/GBT4100/GD4300: 32° to 122° F (0° to 50° C)	
Charging Temperature	32° to 104° F (0° to 40° C)	
Storage Temperature	-4° to 158° F (-20° to 70° C)	
Humidity	Operating: 5% to 90% relative humidity, non-condensing	
Drop Specifications	18 drops from 1.8 meters (5.9 feet) to concrete	
Ambient Light Immunity	Up to 100,000 Lux	
Contaminants Spray/Rain/ Dust/Particulates	IP52	
ESD Level	16 KV	

Item	Description
Regulatory	
Electrical Safety	See the Quick Reference Guide for each specific product for details.
EMI/RFI	
Laser Safety	
LED class safety	

- Typical input current measured under factory default configuration.
- Charge Times are much lower when battery is within daily typical operating condition.
- 13 mils DOF based on EAN. All others are Code 39. All labels grade A, typical environmental light, 20°C, label inclination 10°
- See "Interface Selection" on page 29 for a listing of available interface sets by model type.

Radio Features	Model		
	433MHz model	910 Mhz	BT
Working Center Frequency	433.920 MHz	910.000 MHz	2400 to 2483.5 MHz
Range (in open air)	30 m	15 m	30 m
Max. number of devices per base station	16	16	1