



Datalogic Gryphon 4200 – Ideal for all 1D barcodes

- ✓ Fast and secure capture of 1D codes
- ✓ Ergonomic design with innovative "Soft Line" for easy aiming
- ✓ Detection of damaged or dirty barcodes from angles of up to 65°.
- ✓ Wireless connection via Bluetooth or Datalogic STAR with ranges of up to 100 metres
- ✓ Resistant housing that can be cleaned with disinfectants

Features

Readable codes: 1D, Databar

Reading distance: 5 - 90 cm

Connectivity: USB-C, USB, RS-232, Keyboard Wedge / Bluetooth, Datalogic STAR

Battery: 80,000 scans / charge, wireless charging

Protection: IP52, drop-proof up to 1.8 m

Operating temperature: 0 - 50 °C

Dimensions: 166 x 68 x 109 mm

Weight: 163 / 235 g

Optional accessories

Docking station

Docking station Presentation mode

Holder

Wall mount

Presentation stand

DECODING CAPABILITY	
1D / Linear Codes	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
ELECTRICAL	
Current	Operating (Typical): <350 mA @ 5V; <150 mA @ 12V Standby/Idle (Typical): <60 mA @ 5V; <30 mA @ 12V
Input Voltage	GD4220: 5 VDC +/- 5% GD4290: 4.5 - 14.0 VDC
ENVIRONMENTAL	
Ambient Light	0 - 130,000 lux
Drop Resistance	Withstands repeated drops from 1.8 m / 6.0 ft onto a concrete surface.
ESD Protection (Air Discharge)	16 kV
Humidity (Non-Condensing)	0 - 95%
Particulate and Water Sealing	IP52
Temperature	Operating: 0 to 50 °C / 32 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F
INTERFACES	
Interfaces	GD4220: USB type C / USB only GD4290: USB type C / USB / RS-232 / Keyboard Wedge Multi- Interface
PHYSICAL CHARACTERISTICS	
Colors Available	Black; White
Dimensions	Scanner: 16.6 x 6.8 x 10.9 cm / 6.5 x 2.7 x 4.3 in In Stand: 21 x 7.5 x 10.9 cm / 8.2 x 2.9 x 4.2 in
Weight	163.0 g / 5.75 oz (scanner only)

READING PERFORMANCE	
Imager Sensor	CCD Solid-State
Light Source	Illumination: Dual LED Array 612 - 630 nm
Read Rate (Maximum)	1,000,000 pixel/sec (400 reads/sec)
Print Contrast Ratio (Minimum)	15%
Reading Angle	Pitch: +/- 65°; Roll (Tilt): +/- 45°; Skew (Yaw): +/- 65°
Reading Indicators	Beeper (adjustable tone); Datalogic Three Green Lights (3GL) Good Read Feedback; Datalogic 'Green Spot' on the Code, Dual Good Read LEDs
Resolution (Maximum)	0.077 mm / 3 mils

READING RANGES	
Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. GD4200 Code 39: 5 mils: 5 to 37 cm / 2.0 to 14.6 in Code 39: 7.5 mils: 5 to 54 cm / 2.0 to 21.3 in Code 39: 10 mils: 5 to 73.5 cm / 2.0 to 28.9 in Code 39: 20 mils: 2.5 to 147 cm / 1 to 57.9 in EAN/UPC: 13 mils: 3.5 to 90 cm / 1.4 to 35.4 in

SAFETY & REGULATORY	
Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use. The Quick Reference Guide for this product can be referred to for a complete list of certifications.
Environmental Compliance	Complies to China RoHS; Complies to EU RoHS
LED Classification	Exempt group according to IEC 62471

UTILITIES	
Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS/JavaPOS	JavaPOS and OPOS Utilities are available for download at no charge.
Remote Host Download	Lowers service costs and improves operations

WARRANTY	
Warranty	5-Year Factory Warranty

WIRELESS COMMUNICATIONS

Datalogic STAR Cordless System™	Effective Radiated Power: 433.92 MHz: < 6.3 mW; 910 MHz: < 50 mW Multi-Point Configuration: Max. Readers per Radio Receiver: 16; Point-to-Point Configuration; Radio Frequency: 433.92 MHz; 910 MHz; Two Way Communications Radio Range (Open Air): 50.0 m / 164.0 ft
Bluetooth Wireless Technology	Piconet: Max. Readers per Radio Receiver: 7 Profiles: SPP (Serial Port Profile) Protocol: Bluetooth 4.0 with BLE Certified Class 1, Class 2 and Class 3; Radio Frequency: 2.4 GHz Radio Range (Open Air): 100.0 m / 328.0 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

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ELECTRICAL

Battery	Battery Type: Lithium-Ion: 2550 mAh Charge Time: External Power: 4 Hours @ 12 VDC; Reads per Charge: 80,000
Cradle Indicator LEDs	Battery Charging (flashing orange); Charge Completed (steady green)
Current	Charging (with WLC4190): < 1200 mA (Maximum); Scanner only: Max 750 mA (from battery) Cradle only: (WLC4190): 80 mA @ 5 V (Operative)
Input Voltage (Cradle)	4.5 - 14 VDC +/- 5% (WLC4190/WLC4090)

ENVIRONMENTAL

Ambient Light	0 - 130,000 lux
Drop Resistance	Withstands repeated drops from 1.8 m / 6.0 ft onto a concrete surface.
ESD Protection (Air Discharge)	16 kV
Humidity (Non-Condensing)	0 - 95%
Particulate and Water Sealing	IP52
Temperature	Operating: 0 to 50 °C / 32 to 122 °F Storage: -40 to 70 °C / -40 to 158 °F

INTERFACES

Interfaces	WLC4190: USB Type C / USB / RS-232 / Keyboard Wedge Multi-Interface WLC4090: USB / RS-232 / Keyboard Wedge Multi-Interface
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PHYSICAL CHARACTERISTICS

Colors Available	Black; White
Dimensions	16.6 x 6.8 x 10.9 cm / 6.5 x 2.7 x 4.3 in
Weight	235 g / 8.29 oz

READING PERFORMANCE

Imager Sensor	CCD Solid-State
Light Source	Illumination: Dual LED Array 612 - 630 nm
Read Rate (Maximum)	1,000,000 pixel/sec (400 reads/sec)
Print Contrast Ratio (Minimum)	15%
Reading Angle	Pitch: +/- 65°; Roll (Tilt): +/- 45°; Skew (Yaw): +/- 65°
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