Datalogic Gryphon 4600

Powerful barcode scanner for demanding working environments

✓ **Reliable scanning of all common 1D and 2D barcodes, even at high speeds**
Captures classic barcodes, GS1 Digital Link, Digimarc, as well as high-resolution and damaged codes reliably on the first scan. Intelligent algorithms improve the read rate for poorly printed, reflective or moving barcodes.

✓ **Ergonomic and intuitive operating concept for fatigue-free working**
Green target cross, Green Spot, 3GL™ status indicators and vibration feedback provide clear feedback even in noisy environments.

✓ **Flexible application options thanks to wired and wireless variants**
USB, RS-232 or Bluetooth 5.2, as well as Datalogic STAR Cordless System for different workplace requirements.

✓ **Robust construction for continuous daily use**
Drop-proof from 1.8 m, IP52-protected and designed for high trigger cycles and long service life.

✓ **Sustainable product design with a focus on energy efficiency and recycling**
Eco-design approach with recycled materials, durable construction and reduced environmental impact.

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Features

Readable codes: 1D, 2D, postal, stack, Digimarc, OCR

Reading distance: Contact – 60 cm

Targeting: LED target cross, red and white LED lighting

Feedback: LEDs, green spot, beeper and vibration

Connectivity: USB-C, RS-232, Bluetooth 5.2, Datalogic STAR

Additional features: Photo function

Battery (wireless models): 80,000 scans, wireless charging

SuperCap (wireless models): 30 min/full charge, 7,000 scans, wireless charging

Protection: IP52, drop-proof up to 1.8 metres, 2000 drops from 0.5 metres

Operating temperature: 0 to +50 °C

Dimensions: 180 x 65 x 79 mm

Weight: 144 g / 218 g

Optional accessories

Holder

Presentation stand

Docking station

Wall mount

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CORDLESS MODELS COMMUNICATIONS

Gryphon GBT4600 *(Bluetooth Wireless Technology)*	Bluetooth: 5.2, Classic & Low Energy (LE). Selectable output power: Class 1, 2, 3. Radio frequency: 2.4GHz. Radio range: 100.0 m / 328.0 ft (Class 1, open air, reader connected with the base station. Range with connection to other Bluetooth peripherals may show different results). Standard profiles: SPP (serial port emulation), HID (Human Interface Device) and HOGP (keyboard emulation). Max. n. of readers connected with the same base station: 7. Security: data encryption; scanner authentication
Gryphon GM4600 *(Datalogic STAR Cordless System)*	Working frequency: ISM Bands, 433.92 MHz and 915 MHz; Effective Radiated Power @433,92 Mhz < 10 dBm; Effective Radiated Power @915 Mhz < 15 dBm; Configurations: Point to Point and Point to Multipoint. Max. Readers per Radio Receiver: 16; Two Way Communications Radio Range: 50.0 m / 164.0 ft minimum (Open Air)

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; GS1 Digital Link
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
OCR	OCR-A, OCR-B, MICR

CORDLESS MODELS ELECTRICAL

Battery	Battery Type: Lithium-Ion: 3,250 mAh Charge Time: from empty to full 3,5 hours; from 10% to 80% 2 hours (@ 12 VDC external power) Number of scans from full charge: +80,000
SuperCap Capacitor	Capacity: 1000 F Charge time: from empty to full 30 min; from 10% to 80% 10 min. (@ 12 VDC ext. power); Number of scans from full charge: 7,000
Cradle Indicator LEDs	Battery/SuperCap Charging (flashing orange); Charge Completed (steady green)
Current	Charging (Typical): < 6 W; Scanner only: 300 mA @ 3.7 V (Operative) Cradle only: 100 mA @ 5 V (Operative)
Input Voltage (Cradle)	4.5 - 14 VDC +/- 5% (WLC4090/WLC4190/WLC4690)

CORDED MODELS ELECTRICAL

Current	Operating: <300 mA @ 5V; < 150 mA @ 12V Standby/Idle: < 70 mA @ 5V; <40 mA @ 12V
Input Voltage	GD4690 (HP models): 4,5 - 14,0 VDC +/- 5% GD4620 (HD models): 5 VDC +/- 5%

ENVIRONMENTAL

Ambient Light	0 - 110,000 lux
Drop Resistance	Withstands repeated drops from 1.8 m / 6.0 ft onto a concrete surface.
Tumble Specification	Designed to withstand 2,000 1.5 ft./0.5 m tumbles
Trigger Resistance	Withstands 10 Mhits
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	**CORDLESS MODELS:** WLC4690: USB Type C / USB / RS-232 Multi-Interface **CORDED MODELS:** GD4620 (HD models): USB type C / USB only GD4690 (HP models): USB type C / USB / RS-232 Multi-Interface

PHYSICAL CHARACTERISTICS

Colors Available	Black, White
Dimensions	18 x 6.5 x 7.9 cm / 7.1 x 2.6 x 3.1 in (corded/cordless models) 21 x 7.5 x 10.9 cm / 8.2 x 2.9 x 4.2 in (corded models with presentation mode base)
Weight	144 g / 5.1 oz (corded models) 426 g / 15.0 oz (corded models with presentation mode base) 218 g / 7.7 oz (cordless models, battery included)

READING PERFORMANCE

Image Capture	Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2
Imager Sensor	High Performance models (HP, dual sensor): 1.5 Megapixel (1360 x 1120 pixels) + VGA (640 x 600 pixels) High Density models (HD, single sensor): 1.5 Megapixel (1360 x 1120 pixels)
Light Source	Aiming: LED Green central cross Illumination: dual color Warm White and Hyper Red LED
Motion Tolerance	70 IPS
Print Contrast Ratio (Minimum)	15%
Reading Angle	Pitch: +/- 65°; Roll (Tilt): 360°; Skew (Yaw): +/- 65°
Reading Indicators	Beeper (adjustable tone); Good-read feedback: Datalogic 'Green Spot' on the Code; Good-read LED; Vibration feedback option (cordless models)
Resolution (Maximum)	1D Linear: 0.077 mm / 3 mils; PDF417: 0.077 mm / 3 mils; Data Matrix: 0.102 mm / 4 mils

READING RANGES

Typical Depth of Field	Label size, printing resolution, contrast, and ambient light dependent. (*) Minimum distance determined by symbol length and scan angle.

High Performance Models (HP)

Code 39: 3 mils: 2.5 to 20.0 cm / 1.0 to 7.9 in
Code 39: 5 mils: 0.5 to 35.0 cm / 0.2 to 13.8 in

Code 39: 10 mils: 0(*) to 60.0 cm / 0(*) to 23.6 in
Code 39: 20 mils: 0(*) to 125.0 cm / 0(*) to 49.2 in
Code 128: 3 mils: 3.5 to 14.5 cm / 1.4 to 5.7 in
Code 128: 5 mils 1.5 to 30.0 cm / 0.6 to 11.8 in
EAN/UPC: 13 mils: 0(*) to 100.0 cm / 0(*) to 39.4 in
PDF 417: 10 mils: 0.5(*) to 38.5 cm / 0.2(*) to 15.2 in
Data Matrix: 5 mils: 3.5 to 10.0 cm / 1.4 to 3.9 in
Data Matrix: 10 mils: 0.5(*) to 29.5 cm / 0.2(*) to 11.6 in
QR Code: 10 mils: 0.5(*) to 25.0 cm / 0.2(*) to 9.8 in

High Density Models (HD)

Code 39: 3 mils: 2.5 to 15.0 cm / 1.0 to 5.9 in
Code 39: 5 mils: 0.5 to 22.0 cm / 0.2 to 8.7 in

Code 39: 10 mils: 0(*) to 35.0 cm / 0(*) to 13.8 in
Code 39: 20 mils: 0(*) to 52.0 cm / 0(*) to 20.5 in
Code 128: 3 mils: 3.5 to 11.5 cm / 1.4 to 4.5 in
Code 128: 5 mils 1.5 to 20.0 cm / 0.6 to 7.9 in
EAN/UPC: 13 mils: 0(*) to 50.0 cm / 0(*) to 19.7 in
PDF 417: 10 mils: 0.5(*) to 27.0 cm / 0.2(*) to 10.6 in
Data Matrix: 5 mils: 3.5 to 10.0 cm / 1.4 to 3.9 in
Data Matrix: 10 mils: 0.5(*) to 20.0 cm / 0.2(*) to 7.9
QR Code: 10 mils: 0.5(*) to 20.0 cm / 0.2(*) to 7.9 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

UTILITIES

Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
Datalogic Connect	The next-generation IoT cloud platform that empowers organizations to remotely control, manage, and gain actionable insights from all their deployed Datalogic devices.
OPOS / JavaPOS / SDK	JavaPOS, OPOS and SDK for Android Utilities are available for download at no charge.
Remote Host Download	Lowers service costs and improves operations

WARRANTY

Warranty	5-Year Factory Warranty (corded models) 3-Year Factory Warranty (cordless models)