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DATALOGIC

GRYPHON™ I GBT/GM4200

Premium wireless scanner for general purpose applications





WIRELESS CHARGING

CONTACTLESS, QUICK, CAREFREE

ENHANCED LINEAR IMAGING TECHNOLOGY

The Gryphon™ 4200 series represents the premium range of hand held scanners from Datalogic for general purpose applications.

Designed with people in mind, the Gryphon 4200 wireless reader stands out with an elegant and trendy design, unchallenged ergonomics and outstanding reading performance. The Gryphon I GD4200 readers' ability to capture bar codes from near to far, to read both high-density and low-resolution codes, to decode hard-to-read, poor or damaged codes and to easily read bar codes from mobile devices make these readers the perfect choice for today's and tomorrow's applications.

WIRELESS COMMUNICATIONS

Featuring Bluetooth® wireless technology (GBT models) or narrow band radio communications with Datalogic's STAR Cordless System™ (GM models), the Gryphon 4200 wireless readers provide maximum flexibility to solve any end user application with the best technical solution.

WIRELESS CHARGING

One of the most important technical innovations that the Gryphon 4200 wireless scanners achieve is the battery recharge through an inductive charging system, which enhances the reliability of the entire solution, lowering the total cost of ownership because it eliminates the need for contacts' cleaning and maintenance procedures. The maximum reliability offered by the wireless charging technology means 24/7 activities with no stops for maintenance or repair and top-level operating productivity and performance.

EASY TO USE FOR MAX EFFICIENCY

The Gryphon 4200 wireless scanners utilize Datalogic's Motionix™ to automatically switch into the 'ready-to-read' scanning mode and to activate the distinctive 'soft line viewfinder' which helps the operator to easily target the code to be read.

The Datalogic's exclusive patented 'Green Spot' for good-read feedback directly on the code is ideal under dim lighting conditions or noisy environments.

READY TO BE REGULARLY CLEANED AND DISINFECTED

Most of the working environments now have requirements that scanners need to be regularly cleaned and disinfected. The Gryphon 4200 series exploits Disinfectant-Ready enclosures, designed to withstand regular daily cleaning with harsh disinfectant solutions commonly used in a healthcare environment.

FEATURES

- Enhanced linear imaging technology for superior scanning and Depth of Field
- Reads 1D high-density and low-resolution codes, hard-to-read, poor or damaged codes and bar codes from mobile devices
- Datalogic distinctive 'soft line viewfinder' to easily target the code to be read
- Datalogic's patented 'Green Spot' technology and exclusive 3GL™ (3 Green Lights) for superior good-read feedback
- Motionix motion-sensing technology for seamless reading mode transitions
- Choice of Bluetooth wireless technology version 4.0 with BLE or Datalogic's STAR Cordless System (radio frequencies available in 433 MHz or 910 MHz)
- Wireless battery charging system
- Choice of WLC4190 sleek desk/wall cradle with USB Type C connectivity or WLC4090 adjustable position cradle with Scan-While-Charging capability
- Batch Mode capability
- Point-to-point / Point-to-multipoint transmission
- Long lasting replaceable Lithium-Ion battery
- Disinfectant-Ready enclosures withstand daily cleaning with harsh disinfectant solutions
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY - APPLICATION

Retail: Point of Sale
Commercial Services: Postal, Banks, Public Administration, Utilities
Light Manufacturing: Work-in-Progress, Order Processing
Healthcare: Laboratories, Pharmacies
Access Control: Ticketing and Entertainment

GRYPHON™ I GBT/GM4200

TECHNICAL SPECIFICATIONS

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	
1D / Linear Codes	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.

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

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°
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. **GM/GBT4200** Code 39: 5 mils: 5.0 to 37 cm / 2.0 to 14.6 in Code 39: 7.5 mils: 5.0 to 54 cm / 2.0 to 21.3 in Code 39: 10 mils: 5.0 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	3-Year Factory Warranty

ACCESSORIES

Base Stations/Chargers

WLC4190-BK-BT / WLC4190-WH-BT Bluetooth Base station; Wireless Charger; Multi-Interface (Black / White)
WLC4190-BK-433 / WLC4190-WH-433 433 MHz Base station; Wireless Charger; Multi-Interface (Black / White)
WLC4190-BK-910 / WLC4190-WH-910 910 MHz Base station; Wireless Charger; Multi-Interface (Black / White)



WLC4090-BK-BT / WLC4090-WH-BT Bluetooth Base station; Wireless Charger; Multi-Interface (Black / White)
WLC4090-BK-433 / WLC4090-WH-433 433 MHz Base station; Wireless Charger; Multi-Interface (Black / White)
WLC4090-BK-910 / WLC4090-WH-910 910 MHz Base station; Wireless Charger; Multi-Interface (Black / White)



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