

GRYPHON™ | GBT/GM4102



MOBILITY ENHANCES PRODUCTIVITY

Extremely versatile and durable, the Gryphon 4102 cordless linear imaging readers are the ultimate solution for applications in retail and light industrial environments where mobility is necessary for improved productivity. Mobile communications also eliminate the restraints caused by cabled devices, providing a safer and more efficient environment for employees.

Narrow band radio communications with Datalogic's STAR Cordless System™ or Bluetooth® wireless technology are the keys to increased productivity and flexibility in the workplace.

HANDS-FREE 2-POSITION CRADLE FOR PRESENTATION SCANNING

Datalogic's patented 2-position cradle provides multiple solutions to answer different functional and reduced space requirements. It provides hands-free reading capabilities and a scan-while-charging feature to ensure constant up-time for increased productivity.

RELIABLE DATA COLLECTION

The Gryphon 4102 reader's batch mode capability allows more than 1,200 barcodes to be stored in the memory. Combined with up to 50,000 scans per charge Lithium-Ion battery, these two features create unlimited mobility and reliable data collection when out-of-range.

Datalogic's exclusive patented 'Green Spot' technology for good-read feedback helps to improve productivity in noisy environments or in situations where silence is required. When using the product with the cradle at a 45° position, the Green Spot can work as an aiming system to aid in positioning the bar code for quick and intuitive reading.

FEATURES

- Fast speed-to-read: 325 reads/second
- Choice of Bluetooth wireless technology or Datalogic STAR Cordless System (radio frequencies available in 433 MHz or 910 MHz)
- Radio Range (open air) up to 30.0 m / 98.4 ft
- Point-to-point and multi-point transmission
- Two-position cradle with Scan-While-Charging capability
- Batch Mode capability (>1200 codes stored in memory)
- Datalogic's patented 'Green Spot' technology for good-read feedback
- Long lasting user-replaceable Lithium-Ion battery
- Drop resistance to 1.8 m / 5.9 ft
- 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
 - Shelf Replenishment
 - Price Checking
 - Inventory
- Healthcare:
 - Patient/Medication Tracking
 - Document Handling
 - Inventory
 - Bedside Scanning
- Commercial Services:
 - Postal
 - Banks
 - Public Administration
 - Utilities
 - Document Handling
- Warehouse Management:
 - Manufacturing
- Access Control



TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

Datalogic STAR Cordless System	Effective Radiated Power: 433.92 MHz: <10 mW; 910 MHz: <1 mW Multi-Point Configuration: Max. Readers per Radio Receiver: 16; Point-to-Point Configuration Radio Frequency: 433.92 MHz; 910 MHz Radio Range (Open Air): 30.0 m / 98.4 ft Two Way Communications
Bluetooth Wireless Technology	Protocol: Bluetooth 3.0 Certified Class 2 Radio Frequency: 2.4 GHz Radio Range (Open Air): 30.0 m / 98.4 ft

DECODING CAPABILITY

1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
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ELECTRICAL

Battery	Battery Type: Lithium-Ion, 2,550 mAh Charge Time: External Power: 4.5 Hours @ 12 VDC Reads per Charge: GBT: 30,000; GM: 50,000
Cradle Indicator LEDs	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
Current	Charging (Typical): < 8 W; Operating (Typical): < 2.5 W @ 5 VDC; Standby/Idle (Typical): < 2.5 mA @ 5 VDC
Input Voltage	4.75 - 14 VDC

ENVIRONMENTAL

Ambient Light	0 - 100,000 lux
Drop Resistance	Withstands repeated drops from 1.8 m / 5.9 ft onto a concrete surface.
ESD Protection (Air Discharge)	16 kV
Humidity (Non-Condensing)	0 - 90%
Particulate and Water Sealing	IP52
Temperature	Operating: 0 to 50 °C / 32 to 122 °F Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

Interfaces	RS-232 / USB / Keyboard Wedge / Wand Multi-Interfaces (IBM 46XX available with accessory cable)
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PHYSICAL CHARACTERISTICS

Colors Available	Black; White
Dimensions	Cradle: 18.6 x 9.9 x 5.6 cm / 7.25 x 3.9 x 2.2 in Reader: 18.1 x 7.1 x 10.0 cm / 7.1 x 2.8 x 3.9 in
Weight	Cradle: 275 g / 9.2 oz; Reader: 246 g / 8.7 oz

READING PERFORMANCE

Light Source	Illumination: LED Array 630 - 670 nm
Print Contrast Ratio (Minimum)	15%
Read Rate (Maximum)	325 reads/sec.
Reading Angle	Pitch: 65°; Roll (Tilt): 35°; Skew (Yaw): 65°
Reading Indicators	Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
Resolution (Maximum)	0.076 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. 5 mils: 6.0 to 18.0 cm / 2.3 to 7.0 in 7.5 mils: 3.5 to 30.0 cm / 1.4 to 11.7 in 10 mils: 2.0 to 45.0 cm / 0.8 to 17.7 in 13 mils: 3.0 to 60.0 cm / 1.2 to 23.4 in 20 mils: 3.0 to 80.0 cm / 1.2 to 31.2 in
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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	IEC 60825-1 Class 1 LED Product

UTILITIES

Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JavaPOS	OPOS and JavaPOS utilities are available for download at no charge.
Remote Host Download	Lowers service costs and improves operations: BC4010

WARRANTY

Warranty	3-Year Factory Warranty
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ACCESSORIES

Batteries/ Battery Chargers

RBP-GM42 Removable
Battery Pack



Base Stations/Chargers

BC4032-BK-BT: Base/Charger, Standard Multi-Interface, Black
BC4032-WH-BT Base/Charger, Standard Multi-Interface, White
BC4032-BK-433: Base/Charger, 433MHz, Standard Multi-Interface, Black
BC4032-BK-910: Base/Charger, 910MHz, Standard Multi-Interface, Black
BC4032-WH-433 Base/Charger, 433MHz, Standard Multi-Interface, White
BC4032-WH-910 Base/Charger, 910MHz, Standard Multi-Interface, White
CHR-GM40-BK Charging Only Base Station, Black
CHR-GM40-WH Charging Only Base Station, White

