



MOBILITY ENHANCES PRODUCTIVITY

Extremely versatile and durable, the Gryphon GM4102 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™ is the key to increased productivity and flexibility in the workplace. The GM4102 reader series offer scalable solutions from simple point-to-point applications to networking capabilities for complex installations.

GM4102 Batch Mode capability allows thousands of codes to be stored in memory. This feature combined with a long lasting 50K scans per charge Lithium-Ion battery allows unlimited mobility and reliable data collection when out-of-range from the base station.



HANDS-FREE 2-POSITION CRADLE FOR PRESENTATION SCANNING

Datalogic's new, 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.



FEATURES

- Fastest speed-to-read: 325 reads/second
- Radio frequencies available in 433 MHz or 910 MHz
- Radio Range (open air) up to 30.0 m / 98.4 ft for 433 MHz and 910 MHz
- Point-to-point and multi-point transmission
- Datalogic's patented 2-position cradle with Scan-While-Charging capability
- Batch Mode capability (>1200 codes stored in memory)
- Drop resistance to 1.8 m / 5.9 ft
- Datalogic's patented 'Green Spot' technology for good-read feedback
- Long lasting user-replaceable Lithium-Ion battery
- Optional Counterfeit Detection
- USB Certified Kits Available
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS

- Retail: Point of Sale, Shelf Replenishment, Price Checking, Inventory
- Healthcare: Patient Tracking, Document Handling, Inventory
- Warehouse Management, Manufacturing
- Commercial Services: Postal, Banks, Public Administration, Utilities
- 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 433.92 MHz; 910 MHz 433.92 MHz and 910 MHz: 30.0 m / 98.4 ft; Two Way Communications
RADIO FREQUENCY	
RADIO RANGE (OPEN AIR)	

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
POSTAL CODES	China Post
STACKED CODES	GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional

ELECTRICAL

BATTERY	Battery Type: Lithium-Ion, 2550 mAh Charge Time: External Power: 4.5 Hours @ 12 VDC Reads per Charge: 50,000 Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
CRADLE INDICATOR LEDS	Charging (Typical): < 8 W; Operating (Typical): < 2.5 W @ 5 VDC; Standby/Idle (Typical): < 2.5 mA @ 5 VDC
CURRENT	4.75 - 14 VDC
INPUT VOLTAGE	

ENVIRONMENTAL

AMBIENT LIGHT	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)	5 - 95%
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 Multi-Interface / Keyboard Wedge / Wand Multi-Interfaces; IBM46XX 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 / 7.3 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 Cradle: 275 g / 9.7 oz; Reader: 246 g / 8.7 oz
WEIGHT	

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 Utilities are available for download at no charge.
REMOTE HOST DOWNLOAD	Lowers service costs and improves operations

WARRANTY

WARRANTY	3-Year Factory Warranty
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ACCESSORIES

Base Stations/Chargers

- 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

Batteries/Battery Chargers

- RBP-GM42 Removable Battery Pack

