GRYPHON™ I GM4100

DATALOGIC

MOBILITY ENHANCES PRODUCTIVITY

Extremely versatile and durable, the Gryphon GM4100 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 GM4100 reader series offer scalable solutions from simple point-to-point applications to networking capabilities for complex installations. An optional display with a 3-button keypad provides battery status, radio coverage indicator and enables operator interaction with the host system.

GM4100 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, up to 15.0 m / 49.2 ft for 910 MHz
- Optional display with 3-Key keypad
- 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

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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)	433.92 MHz: 30.0 m / 98.4 ft; 910 MHz: 15.0 m / 49.2 ft; Two Way Communications

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, 2100 mAh Charge Time: External Power: 4 Hours @ 12 VDC Reads per Charge: 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 +/- 5%

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

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OPTIONAL FEATURES

COUNTERFEIT DETECTION	BC4010-BK-910-CF; BC4010-BK-433-CF; Field of View: 20°; UV LEDs: 8 Input Current (Maximum): 25 mA; Optical Power: 19-26 mW @ 20 mA

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
DISPLAY	Display Type: GM4100-D Only: Graphic with backlight; Font Dimensions: User selectable (4 lines x 16 columns default) Screen Dimensions: 32 x 96 pixels
KEYPAD	GM4100-D Only: 3-Key Keypad
WEIGHT	Cradle: 246.0 g / 8.7 oz; Reader (with Display): 246.0 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

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: BC4010

WARRANTY

WARRANTY	3-Year Factory Warranty

ACCESSORIES

Base Stations/Chargers

- BC4010-BK: Base/Charger POS Multi-Interface, Black
- BC4010-BK-433-CF / BC4010-BK-910-CF: Base/Charger, 433/910 Mhz, Multi-Interface/IBM Interface, Counterfeit Detection, Black
- BC4010-WH: Base/Charger POS Multi-Interface, White
- BC4030-BK: Base/Charger STD Multi-Interface, Black
- BC4030-WH: Base/Charger STD Multi-Interface, White
- CHR-GM40-BK: Charging Only Base Station, Black
- CHR-GM40-WH: Charging Only Base Station, White

Batteries/Battery Chargers

- RBP-GM40 Removable Battery Pack



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