GRYPHON™ I GM4100



GENERAL PURPOSE HANDHELD LINEAR IMAGER BAR CODE READER WITH DATALOGIC'S STAR CORDLESS SYSTEM™

The Gryphon family represents the premium line of Datalogic ADC's general purpose handheld data collection products. The Gryphon GM4100 cordless linear imaging readers offer the richest feature set among general purpose product offerings.

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.

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.

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-lon battery allows unlimited mobility and reliable data collection when out-of-range from the base station.

Featuring Datalogic's exclusive patented 'Green Spot' for good read feedback directly on the code, it helps to improve productivity especially in noisy environments. When using the product with the cradle at a 45° position, the Green Spot can work as an aiming system remaining on to aid in positioning the code for quick and intuitive reading.

Standard multi-interface capabilities (GM4130) provide host connectivity via USB, RS-232, Keyboard Wedge and Wand Emulation while IBM interface models (GM4110) provide connectivity via IBM 46XX, USB and RS-232 emulation. The Datalogic Aladdin™ configuration program provides user-friendly features that simplify the startup procedure, even for inexperienced users.

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' for good-read feedback
- Long lasting user-replaceable Lithium-lon battery
- Optional Counterfeit Detection
- USB Certified Kits Available















CORDLESS COMMUNICATIONS

DATALOGIC STAR CORDLESS SYSTEM™

Effective Radiated Power: 433.92 MHz: < 10 mW: 910 MHz:

 $< 1 \,\mathrm{mW}$

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. China Post

GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; STACKED CODES

GS1 DataBar Stacked Omnidirectional

ELECTRICAL

POSTAL CODES

RATTERY Battery Type: Lithium-lon, 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)

Charging (Typical): < 8 W; Operating (Typical): < 2.5 W @ 5 CHRRENT

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 16 kV

ESD PROTECTION (AIR DISCHARGE) 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 / IBM 46XX / USB Multi-Interface

RS-232 / USB / Keyboard Wedge / Wand Multi-Interface

OPTIONAL FEATURES

COUNTERFEIT DETECTION BC4010-BK-910-CF; BC4010-BK-433-CF: Field of View: 20°;

UV I FDs: 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 /

READING PERFORMANCE

LIGHT SOURCE

Illumination: LED Array 630 - 670 nm PRINT CONTRAST RATIO (MINIMUM) 15%

READ RATE (MAXIMUM) 325 reads/sec.

Pitch: +/- 65°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 65° READING ANGLE 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

IEC 60825-1 Class 1 LED Product LED CLASSIFICATION

UTILITIES

Datalogic Aladdin configuration program is available for DATALOGIC ALADDIN™

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







© 2009 - 2012 Datalogic ADC, Inc. • All rights reserved. • Protected to the fullest extent under U.S. and international laws. • Copying, or altering of this document is prohibited without express written consent from Datalogic ADC, Inc. • Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S. and the E.U. and the Datalogic Automatic Data Capture logo is a trademark of Datalogic S.p.A. • Datalogic Aladdin, Datalogic STAR and Datalogic STAR Cordless System are trademarks of Datalogic Scanning Group S.r.l. • Gryphon is a trademark of Datalogic ADC, Inc. • The USB-IF Logos are trademarks of Universal Serial Bus Implementers Forum, Inc. • All other brand and product names are trademarks of their respective owners. • DS-GRYPHONIGM4100-ENA4 20120101