



## General Purpose Handheld Linear Imager Bar Code Readers for the Healthcare Industry

The key mission of scanners in the healthcare industry is to improve the quality of patient care while reducing medication errors. Additionally, healthcare environments have requirements that scanners need to be regularly cleaned and disinfected using harsh cleaning solutions. Datalogic Scanning's Gryphon HC product series is specifically developed for healthcare applications with Disinfectant-Ready enclosures treated with anti-microbial additives designed to withstand daily cleaning with disinfectant solutions.

Gryphon HC readers provide unmatched flexibility offering healthcare professionals the complete suite of reading and radio technologies available within the Gryphon series. From corded models to standard Bluetooth® wireless technology or to the powerful Datalogic STAR narrow-band radio, Gryphon HC readers offer customers the widest variety of products and radio choices with disinfectant-ready enclosures.

In healthcare environments where mobility is not needed, the GD4100-HC reader offers an affordable corded solution, while the GM4100-HC or GBT4100-HC models (STAR or Bluetooth) provide full installation flexibility and extended mobility for cordless operations. A patented 2-position cradle provides functional and reduced space requirements. The GM4100-HC model is equipped with Datalogic's STAR Cordless System™ providing bi-directional communication and an optional display with a 3-button keypad that adds real-time battery status, radio coverage indicator and enables operator interaction with the host system.

The Gryphon HC models have an industry sealing rating of IP52 to protect sensitive electronic components from contact with dust and liquids. Products withstand repeated drops from 1.5 m / 5.0 ft to ensure uninterrupted activity despite the inevitable accidental drops and rough handling.

All Gryphon HC readers include the patented Datalogic 'Green Spot' for good read/perfect match feedback, ideal for quiet environments such as bedside patient care where the perfect match can offer a simple additional tool to avoid errors.

### All Products

- Disinfectant-Ready enclosures treated with anti-microbial additives
- Extremely snappy reading performance
- Extended reading distances
- Wide scan angle for wider codes
- Multi-interface solution supports most popular interfaces
- Water and Particulate Sealing Rating: IP52
- Drop resistance to 1.5 m / 5 ft
- Datalogic's patented 'Green Spot' for good-read feedback

### Cordless Products

- Two choices: STAR 433 MHz or 910 MHz and Bluetooth® wireless technology
- Radio Range: Up to 30.0 m / 98.4 ft
- Batch Mode capability: >1200 codes stored in memory
- Optional display with 3-Key keypad (STAR Only)
- Point-to-point/multi-point transmission
- Datalogic's patented 2-position cradle with Scan-While-Charging capability
- Long lasting user-replaceable Lithium-Ion battery

[www.scanning.datalogic.com](http://www.scanning.datalogic.com)



# GRYPHON I 4100-HC SERIES

## Specifications

### DECODING CAPABILITY

1D / LINEAR CODES

POSTAL CODES  
STACKED CODES

### ELECTRICAL

CURRENT

INPUT VOLTAGE

### ENVIRONMENTAL

AMBIENT LIGHT  
DROP RESISTANCE

ESD PROTECTION (AIR DISCHARGE)  
HUMIDITY (NON-CONDENSING)  
PARTICULATE AND WATER SEALING  
TEMPERATURE

### INTERFACES

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE  
DIMENSIONS  
ENCLOSURE

WEIGHT

### READING PERFORMANCE

IMAGER SENSOR  
LIGHT SOURCE  
PRINT CONTRAST RATIO (MINIMUM)  
READ RATE (MAXIMUM)  
READING ANGLE  
READING INDICATORS

RESOLUTION (MAXIMUM)

### READING RANGES

TYPICAL DEPTH OF FIELD

### SAFETY & REGULATORY

AGENCY APPROVALS

ENVIRONMENTAL COMPLIANCE  
LED CLASSIFICATION

### UTILITIES

DATALOGIC ALADDIN™

### WARRANTY

## Gryphon™ I GD4100-HC

Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes  
China Post  
GS1 DataBar Expanded Stacked; GS1 DataBar Stacked;  
GS1 DataBar Stacked Omnidirectional

Operating (Typical): 245 mA @ 5 VDC; Standby/Idle  
(Typical): 120 mA @ 5 VDC  
4.75 - 5.25 VDC

0 - 100,000 lux  
Withstands repeated drops from 1.5 m / 5.0 ft onto a  
concrete surface  
16 kV  
0 - 90%  
IP52  
Operating: 0 to 55 °C / 32 to 131 °F  
Storage/Transport: -20 to 70 °C / -4 to 158 °F

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

Light Green/Light Grey (Rubber/Plastic)  
18.1 x 7.1 x 10.0 cm / 7.1 x 2.8 x 3.9 in  
Disinfectant-Ready Enclosure Treated with Anti-  
Microbial Additives  
169.0 g / 6.0 oz

CCD Solid-State  
Illumination: Dual LED Array 630 - 670 nm  
15%  
325 reads/sec.  
Pitch: 65°; Roll (Tilt): 35°; Skew (Yaw): 65°  
Beeper (Adjustable Tone and Volume); Datalogic  
'Green Spot' Good Read Feedback; Good Read LED  
0.076 mm / 3 mils

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

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.  
Complies to China RoHS; Complies to EU RoHS  
IEC 60825-1 Class 1 LED Product

Datalogic Aladdin configuration program is available  
for download at no charge

5-Year Factory Warranty

## Accessories

### All Products



#### Mounts/Stands

- 11-0362: Holder, Multi-Purpose, Grey
- HLD-G040-WH: Desk/Wall Holder, G040, White
- STD-AUTO-G040-WH: Smart Stand, G040, White
- STD-G040-WH: Basic Stand, G040, White

### Cordless Products

#### Batteries/Battery Chargers

- RBP-GM40 Removable Battery Pack



#### Base Stations/Chargers

- Gryphon™ I GM4100-HC
- BC4030: Base/Charger STD Multi-Interface
- CHR-GM40: Charging Only Base Station
  
- Gryphon™ I GBT4100-HC
- BC4030-WH-BT: Base/Charger, Standard Multi-Interface, White
- CHR-GM40: Charging Only Base Station

# Specifications

## CORDLESS COMMUNICATIONS

### DECODING CAPABILITY

1D / LINEAR CODES

POSTAL CODES  
STACKED CODES

### ELECTRICAL

BATTERY

CRADLE INDICATOR LEDS

CURRENT

INPUT VOLTAGE

### ENVIRONMENTAL

AMBIENT LIGHT  
DROP RESISTANCE

ESD PROTECTION (AIR DISCHARGE)  
HUMIDITY (NON-CONDENSING)  
PARTICULATE AND WATER SEALING  
TEMPERATURE

### INTERFACES

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE  
DIMENSIONS

DISPLAY

ENCLOSURE

KEYPAD  
WEIGHT

### READING PERFORMANCE

LIGHT SOURCE  
PRINT CONTRAST RATIO (MINIMUM)  
READ RATE (MAXIMUM)  
READING ANGLE  
READING INDICATORS

RESOLUTION (MAXIMUM)

### READING RANGES

TYPICAL DEPTH OF FIELD

### SAFETY & REGULATORY

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ENVIRONMENTAL COMPLIANCE  
LED CLASSIFICATION

### UTILITIES

DATALOGIC ALADDIN™

### WARRANTY

## Gryphon™ I GM4100-HC

### 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

Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes  
China Post  
GS1 DataBar Expanded Stacked; GS1 DataBar Stacked;  
GS1 DataBar Stacked Omnidirectional

Battery Type: Lithium-Ion, 2100 mAh  
Charge Time: External Power: 4 Hours  
Reads per Charge: 50,000  
Battery Charging (Red); Charge Completed (Green);  
Power/Data (Yellow)  
Charging (Typical): < 8 W; Operating (Typical): < 2.5 W @ 5 VDC; Standby/Idle (Typical): < 2.5 mA @ 5 VDC  
4.75 - 14 VDC +/- 5%

100,000 lux  
Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface  
16 kV  
5 - 95%  
IP52  
Operating: 0 to 50 °C / 32 to 122 °F  
Storage/Transport: -20 to 70 °C / -4 to 158 °F

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

Light Green/Light Grey (Rubber/Plastic)  
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 Type: GM4100-HC-D Only: Graphic with backlight; Font Dimensions: User selectable (4 lines x 16 columns default); Screen Dimensions: 32 x 96 pixels  
Disinfectant-Ready Enclosure Treated with Anti-Microbial Additives  
GM4100-HC-D Only: 3-Key Keypad  
Cradle: 246.0 g / 8.7 oz  
Reader: 225.0 g / 8.0 oz

Illumination: LED Array 630 - 670 nm  
15%  
325 reads/sec.  
Pitch: +/- 65°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 65°  
Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED  
0.076 mm / 3 mils

See Chart for GD4100-HC

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.  
Complies to China RoHS; Complies to EU RoHS  
IEC 60825-1 Class 1 LED Product

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3-Year Factory Warranty

## Gryphon™ I GBT4100-HC

### Bluetooth Wireless Technology

Protocol: Bluetooth 2.0 Certified Class 2  
Radio Frequency: 2.4 GHz  
Radio Range (Open Air): 30.0 m / 98.4 ft

Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes  
China Post  
GS1 DataBar Expanded Stacked; GS1 DataBar Stacked;  
GS1 DataBar Stacked Omnidirectional

Battery Type: Lithium-Ion, 2100 mAh  
Charge Time: 4 Hours  
Reads per Charge: 33,000  
Battery Charging (Red); Charge Completed (Green)  
Power/Data (Yellow)  
Charging (Typical): < 8 W; Operating (Typical): < 2.5 W @ 5 VDC; Standby/Idle (Typical): < 2.5 mA @ 5 VDC  
4.5 - 14.0 VDC +/- 5%

0 - 100,000 lux  
Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface  
16 kV  
5 - 95%  
IP52  
Operating: 0 to 50 °C / 32 to 122 °F  
Storage/Transport: -20 to 70 °C / -4 to 158 °F

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

Light Green/Light Grey (Rubber/Plastic)  
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

Disinfectant-Ready Enclosure Treated with Anti-Microbial Additives

Cradle: 246.0 g / 8.7 oz  
Reader: 225.0 g / 8.0 oz

Illumination: LED Array 630 - 670 nm  
15%  
325 reads/sec.  
Pitch: +/- 65°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 65°  
Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED  
0.076 mm / 3 mils

See Chart for GD4100-HC

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.  
Complies to China RoHS; Complies to EU RoHS  
IEC 60825-1 Class 1 LED Product

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3-Year Factory Warranty

## Datalogic Scanning's Disinfectant-Ready Enclosures for Healthcare

Datalogic Scanning offers bar code readers designed specifically for the healthcare industry with Disinfectant-Ready enclosures treated with anti-microbial additives that can help fight against the spreading of germs. This is particularly important if the scanner is traveling room-to-room on a medication cart with a nurse. The Disinfectant-Ready enclosures can withstand daily cleaning with harsh chemical cleaning solutions commonly used in a healthcare environment.



**MEDITECH**

PRODUCT	CHEMICAL CONTENT
Sani-Cloth® HB, Sani-Cloth® Plus, Super Sani-Cloth®	Quaternary Ammonium Chloride solution
Hepacide Quat II	Virucidal disinfectant cleaner
Alcohol Wipes	70% Isopropyl Alcohol
CaviWipes™	Isopropanol 10-20%; Ethylene Glycol Monobutyl Ether 1-5%
Virex® 256	n-Alkyl Dimethyl Benzyl Ammonium Chloride; Didecyl Dimethyl Ammonium Chloride
409® Glass and Surface Cleaner	n-Alkyl Dimethyl Benzyl Ammonium Chloride; n-Propoxypropanol
Windex® Blue	Isopropyl Alcohol
Clorox® Bleach	Sodium Hypochlorite; Sodium Hydroxide
100% Gentle dish soap and water	



[www.scanning.datalogic.com](http://www.scanning.datalogic.com)

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Product specifications are subject to change without notice.

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