



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



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-HC (433 or 910 MHz): Base/Charger
STD Multi-Interface, Healthcare
- CHR-GM40-WH: Charging Only Base Station,
White
- Gryphon™ I GBT4100-HC
- BC4030-HC-BT: Base/Charger, Standard Multi-
Interface, Healthcare
- CHR-GM40-WH: Charging Only Base Station,
White

Specifications

CORDLESS COMMUNICATIONS

DECODING CAPABILITY

1D / LINEAR CODES

POSTAL CODES
STACKED CODES

ELECTRICAL

BATTERY

CRADLE INDICATOR LEADS

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

AGENCY APPROVALS

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 @ 12 VDC
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

Datalogic Aladdin configuration program is
available for download at no charge

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 @ 12 VDC
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

Datalogic Aladdin configuration program is
available for download at no charge

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

The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Datalogic Scanning Inc. is under license.

© 2010-2011 Datalogic Scanning, 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 Scanning, Inc.

Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries including the U.S.A. and the E.U. • Datalogic Aladdin and Datalogic STAR Cordless System are trademarks of Datalogic Scanning Group S.r.l. • Gryphon is a trademark of Datalogic Scanning, Inc. • Other brand and product names may be trademarks of their respective owners.

Product specifications are subject to change without notice.

DS-GRYPHON4100-HC-ENA4 REV B 20110808