

GRYPHON™ | 4102-HC SERIES



THE PURPOSE OF BAR CODE READERS IN THE HEALTHCARE

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. The Datalogic Gryphon™ HC product series is specifically developed for healthcare applications with Disinfectant-Ready enclosures treated with anti-microbial additives and are designed to withstand daily cleaning with harsh 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 GD4132-HC reader offers an affordable corded solution, while the GM4102-HC or GBT4102-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 GM4102-HC model is equipped with Datalogic's STAR Cordless System™ providing bi-directional communication.

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 1.8 m / 5.9 ft
- Datalogic's patented 'Green Spot' for good-read feedback

CORDLESS PRODUCTS

- Two choices: STAR 433 / 910 MHz or Bluetooth® wireless technology
- Radio Range: Up to 30.0 m / 98.4 ft
- Batch Mode capability: >1,200 codes stored in memory
- Point-to-point/multi-point transmission
- Datalogic's patented 2-position cradle with Scan-While-Charging capability
- Long lasting user-replaceable Lithium-Ion battery



MEDIATECH



GRYPHON™ | GD4132-HC

TECHNICAL SPECIFICATIONS

DECODING CAPABILITY

1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
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ELECTRICAL

Current	Input current @ 5V: 460 mA max
Input Voltage	4.75 - 5.25 VDC

ENVIRONMENTAL

Ambient Light	0 - 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)	0 - 90%
Particulate and Water Sealing	IP52
Temperature	Operating: 0 to 55 °C / 32 to 131 °F Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

Interfaces	RS-232 / USB / Keyboard Wedge / Wand Multi-Interfaces (IBM 46XX available with accessory cable)
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PHYSICAL CHARACTERISTICS

Colors Available	Light Green/Light Grey (Rubber/Plastic)
Dimensions	18.1 x 7.1 x 10.0 cm / 7.1 x 2.8 x 3.9 in
Enclosure	Disinfectant-Ready Enclosure Treated with Anti-Microbial Additives
Weight	180 g / 6.3 oz

READING PERFORMANCE

Image Sensor	CCD Solid-State
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.
Remote Host Download	Lowers service costs and improves operations.

WARRANTY

Warranty	5-Year Factory Warranty
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DATALOGIC'S DISINFECTANT-READY ENCLOSURES FOR HEALTHCARE

Datalogic 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.



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
Hydrogen Peroxide	3%
ProSpray™ Wipes (Disinfectant towelettes)	0.647% o-phenylphenol; 0.070% o-benzyl-p-chlorophenol
100% Gentle dish soap and water	

REFER TO THE DEVICE INSTRUCTION MANUAL FOR PROPER CLEANING METHODS WHEN USING THESE CHEMICALS. DISINFECTANTS SHOULD NOT BE SPRAYED OR Poured ONTO THE SCANNER UNIT. THE SCANNERS MUST ALWAYS BE WIPED DRY AFTER DISINFECTING.

GRYPHON™ | GM4102-HC

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): 30.0 m / 98.4 ft Two Way Communications
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DECODING CAPABILITY

1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
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ELECTRICAL

Battery	Battery Type: Lithium-Ion, 2,550 mAh Charge Time: External Power: 4.5 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

ENVIRONMENTAL

Ambient Light	0 - 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)	0 - 90%
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 Charging: 0 to 40 °C / 32 to 104 °F

INTERFACES

Interfaces	RS-232 / USB / Keyboard Wedge / Wand Multi-Interfaces (IBM 46XX available with accessory cable)
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PHYSICAL CHARACTERISTICS

Colors Available	Light Green/Light Grey (Rubber/Plastic)
Dimensions	Cradle: 18.6 x 9.9 x 5.6 cm / 7.25 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
Enclosure	Disinfectant-Ready Enclosure Treated with Anti-Microbial Additives
Weight	Cradle: 275 g / 9.2 oz; Reader: 246 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
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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 and JavaPOS 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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GRYPHON™ | GBT4102-HC

TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

Bluetooth Wireless Technology	Protocol: Bluetooth 3.0 Certified Class 2 Radio Frequency: 2.4 GHz Radio Range (Open Air): 30.0 m / 98.4 ft
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DECODING CAPABILITY

1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
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ELECTRICAL

Battery	Battery Type: Lithium-Ion, 2,550 mAh Charge Time: External Power: 4.5 Hours @ 12 VDC Reads per Charge: 30,000
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

ENVIRONMENTAL

Ambient Light	0 - 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)	0 - 90%
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WARRANTY

Warranty	3-Year Factory Warranty
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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 | GM4102-HC
BC4032-HC-433 / BC4032-HC-910 Base/Charger,
433/910 MHz, Multi-Interface, White, Healthcare
CHR-GM40-WH Charging Only Base Station, White



Gryphon™ | GBT4102-HC
BC4032-HC-BT Base/Charger, Standard
Multi-Interface, Healthcare
CHR-GM40-WH Charging Only Base Station,
White

