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 ADC’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
**SPECIFICATIONS**

**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**

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

**INPUT VOLTAGE**
- 4.75 - 5.25 VDC

**ENVIRONMENTAL**

**AMBIENT LIGHT**
- 0 - 100,000 lux

**DROP RESISTANCE**
- Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface

**ESD PROTECTION (AIR DISCHARGE)**
- 16 kV

**HUMIDITY (NON-CONDENSING)**
- 0 - 90%

**PARTICULATE AND WATER SEALING 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

**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**
- 169.0 g / 6.0 oz

**READING PERFORMANCE**

**IMAGER SENSOR**
- CCD Solid-State

**LIGHT SOURCE**
- Illumination: Dual 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.

**REMOTE HOST DOWNLOAD**
- Lowers service costs and improves operations: GD4100

**WARRANTY**
- 5-Year Factory Warranty

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**DATALOGIC ADC’S DISINFECTANT-READY ENCLOSURES FOR HEALTHCARE**

Datalogic ADC 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**

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

**REVIEW 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.**
SPECIFICATIONS

CORDLESS COMMUNICATIONS

DATALOGIC STAR CORDLESS SYSTEM™
Effectice 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
4.75 - 14 VDC; +/- 5%

INPUT VOLTAGE

ENVIRONMENTAL

AMBIENT LIGHT
100,000 lux

DROP RESISTANCE
Withstands repeated drops from 1.5 m / 5.0 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

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

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE
Light Green/Light Grey (Rubber/Plastic)

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-HC-D Only: Graphic with backlight; Font Dimensions: User selectable (4 lines x 16 columns default); Screen Dimensions: 32 x 96 pixels

ENCLOSURE
Disinfectant-Ready Enclosure Treated with Anti-Microbial Additives

KEYPAD
GM4100-HC-D Only: 3-Key Keypad

WEIGHT
Cradle: 246.0 g / 8.7 oz
Reader: 225.0 g / 8.0 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
### Specifications

#### Cordless Communications

**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

**Decoding Capability**
- **1D / Linear Codes**: Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
- **Postal Codes**: China Post, GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional

**Electrical**
- **Battery**: Battery Type: Lithium-Ion, 2100 mAh
- **Charge Time**: 4 Hours @ 12 VDC
- **Reads per Charge**: 33,000
- **Cradle Indicator LEDs**: Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)

**Environmental**
- **Ambient Light**: 100,000 lux
- **Drop Resistance**: Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface
- **ESD Protection (Air Discharge)**: 16 kV
- **Humidity (Non-Condensing)**: 5 - 95%
- **Temperature**: Operating: 0 to 50 °C / 32 to 122 °F; Storage/Transport: -20 to 70 °C / -4 to 158 °F

**Interfaces**
- **Interfaces**: RS-232 / USB / Keyboard Wedge / Wand Multi-Interface

**Physical Characteristics**
- **Colors Available**: Light Green/Light Grey (Rubber/Plastic)
- **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
- **Enclosure**: Disinfectant-Ready Enclosure Treated with Anti-Microbial Additives
- **Weight**:
  - Cradle: 246.0 g / 8.7 oz
  - Reader: 225.0 g / 8.0 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°

**Good Read Feedback**: Beeper (Adjustable Tone and Volume); Datalogic ‘Green Spot’

**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™**
- **OPOS / JavaPOS**
- **Remote Host Download**

**Warranty**: 3-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

##### Batteries/Battery Chargers
- RBP-GM40 Removable Battery Pack

##### Base Stations/Chargers
- **GRYPHON™ I GMB4100-HC**
  - BC4030-HC: 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