



## General Purpose Handheld Linear Imager Bar Code Reader with Bluetooth® Wireless Technology

The Gryphon™ series represents the premium line of Datalogic Scanning's general purpose handheld data collection products and offers the richest feature set among the general purpose products.

Featuring Bluetooth® Wireless Technology, the Gryphon GBT4100 readers eliminate the need for cables that limit operator movement and create safety concerns in the workplace. The reader can also transmit data to the host through its base station as well as to any commercial or embedded Bluetooth® v2.0 compliant device.

Datalogic's unique 2-position cradle provides multiple features for the user. When in the 'up' position, this imager can be used as a hands-free or presentation style reader. With the Scan-While-Charging feature, there is never any concern about depleted or dead batteries, ensuring constant up-time for increased productivity.

The Gryphon GBT4100 reader's batch mode capability allows more than 1200 bar codes to be stored in the memory. Combined with a 33,000 scans per charge Lithium-Ion battery, these two features create unlimited mobility and reliable data collection when out-of-range.

Datalogic's exclusive patented 'Green Spot' for good-read feedback helps to improve productivity in noisy environments or in situations where silence is required. When using the product with the cradle at a 45° position, the Green Spot can work as an aiming system to aid in positioning the bar code for quick and intuitive reading.

Standard multi-interface capabilities include USB, RS-232, Keyboard Wedge and Wand Emulation for the GBT4130 models. IBM interface models include IBM 46XX, USB and RS-232 Emulation for the GBT4110 models. The Datalogic Aladdin™ configurator provides user-friendly features that simplify the start-up procedure.



## Features

- Fastest speed-to-read - 325 scans/second
- Bluetooth Wireless Technology with up to 30 m / 98 ft range
- Point-to-point and multi-point transmission
- Two-position cradle with Scan-While-Charging capability
- Batch Mode capability (>1200 codes stored in memory)
- Datalogic 'Green Spot' for good read feedback
- User-replaceable and long lasting Lithium-Ion battery
- Drop resistance to 1.8 m / 5.9 ft



## 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  
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  
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

CRADLE INDICATOR LEDS  
CURRENT

INPUT VOLTAGE

### ENVIRONMENTAL

AMBIENT LIGHT  
DROP RESISTANCE  
ESD PROTECTION (AIR DISCHARGE)  
HUMIDITY (NON-CONDENSING)  
PARTICULATE AND WATER SEALING  
TEMPERATURE

0 - 100,000 lux  
Withstands repeated drops from 1.8 m / 5.9 ft onto a concrete surface  
16 kV  
5 - 90%  
IP52  
Operating: 0 to 50 °C / 32 to 122 °F  
Storage/Transport: -20 to 70 °C / -4 to 158 °F

### INTERFACES

RS-232 / IBM 46XX / USB Multi-Interface;  
RS-232 / USB / Keyboard Wedge / Wand Multi-Interface

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE  
DIMENSIONS

WEIGHT

Black; White  
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  
Cradle: 246 g / 8.68 oz; Reader: 225 g / 7.94 oz

### READING PERFORMANCE

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

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

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

ENVIRONMENTAL COMPLIANCE  
LED CLASSIFICATION

### UTILITIES

DATALOGIC ALADDIN™

Datalogic Aladdin configuration program is available for download at no charge  
OPOS Utilities are available for download at no charge  
Lowers service costs and improves operations: BC4010

OPOS / JAVAPOS  
REMOTE HOST DOWNLOAD

### WARRANTY

3-Year Factory Warranty

## Accessories



### Base Stations/Chargers

- BC4010-BK-BT Base/Charger, POS Multi-Interface, Black
- BC4010-WH-BT Base/Charger, POS Multi-Interface, White
- BC4030-BK-BT Base/Charger, Standard Multi-Interface, Black
- BC4030-WH-BT Base/Charger, Standard Multi-Interface, White
- CHR-GM40 Charging Only Base Station

### Batteries/Battery Chargers

- RBP-GM40 Removable Battery Pack



### Mounts/Stands

- 11-0360 Multi-Purpose Stand/Mount, Black
- 11-0362 Multi-Purpose Stand/Mount, Grey
- HLD-G040-BK Desk/Wall Holder, G040, Black
- HLD-G040-WH Desk/Wall Holder, G040, White
- STD-AUTO-G040-BK Smart Stand, G040, Black
- STD-AUTO-G040-WH Smart Stand, G040, White
- STD-G040-BK Basic Stand, G040, Dark
- STD-G040-WH Basic Stand, G040, White

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