



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

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: 4 Hours
Reads per Charge: 33,000

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

4.5 - 14.0 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)

5 - 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

INTERFACES

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

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

Black; White

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

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

WEIGHT

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.

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 / JAVAPOS

OPOS Utilities are available for download at no charge

REMOTE HOST DOWNLOAD

Lowers service costs and improves operations: BC4010

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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