



General Purpose Handheld Linear Imager Bar Code Reader with Datalogic's STAR Cordless System™

With rich feature sets and extensive model options, the Gryphon product series from Datalogic Scanning represents the premium level of data collection equipment for general purpose applications. Extremely versatile and durable the Gryphon Mobile cordless linear imaging readers are the ultimate solution for applications in retail and light industrial environments where mobility is necessary for improved productivity.

Mobile communications eliminate the restraints caused by cabled devices, providing a safer and more efficient environment for employees. Narrow band radio communications with Datalogic's STAR Cordless System™ is the key to increased productivity and flexibility in the workplace. It offers scalable solutions from simple point-to-point applications to networking capabilities combined with seamless roaming

for complex installations.

The Gryphon Mobile M1X0 models offer standard support for 1D codes including GS1 DataBar. The M230 models add additional symbology support for stacked codes including PDF417 and GS1 DataBar plus EAN/UPC composite codes.

Featuring Datalogic's exclusive patented 'Green Spot' for good read feedback directly on the code; it helps to improve productivity especially in noisy environments. When the readers are used in Stand Mode, the Green Spot remains on to aid in positioning the code for quick and intuitive reading.

Datalogic's patented PuzzleSolver™ decoding algorithm guarantees outstanding performance on poorly printed or damaged codes and advanced data editing and data formatting modes are available to format the collected data as required by the application software. The Datalogic Aladdin™ configuration program provides user-friendly features that simplify the start-up procedure, even for inexperienced users.



Features

- Fast reading performance up to 270 scans/second
- Datalogic's patented 'Green Spot' for good-read feedback
- 100% Compatible with Datalogic's STAR Cordless System™
- Radio Range (open air) up to 30.0 m / 98.4 ft for 433 MHz, up to 15.0 m / 49.2 ft for 910 MHz
- Point-to-point and multi-point transmission
- Multiple interface (RS-232, Keyboard Wedge, Wand and USB)
- Supports GS1 DataBar™ linear codes with additional support for stacked codes like PDF417, MicroPDF and GS1 DataBar plus UPC/EAN composites on select models
- Water and Particulate Sealing Rating: IP30
- Drop resistance to 1.8 m / 5.9 ft

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Specifications

CORDLESS COMMUNICATIONS

DATALOGIC STAR CORDLESS SYSTEM™

Effective Radiated Power: 433.92 MHz: < 10 mW; 910 MHz: < 1 mW
 Multi-Point Configuration:
 Max. Readers in Same Area: 2048
 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
 Seamless Roaming

DECODING CAPABILITY

1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes

STACKED CODES

Code 16K: M2XX; Code 49: M2XX; EAN/JAN Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417: M2XX; PDF417: M2XX; UPC A/E Composites: M2XX

ELECTRICAL

BATTERY

Battery Type: 2 AA NiMh
 Charge Time: External Power: 3 Hours
 Reads per Charge: 40,000
 Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
 Operating (Typical): OM Gryphon Cradle: 8 W (Charging)
 OM Gryphon Cradle: 9 - 28 WDC

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
 15 kV
 90%
 IP30
 Operating: 0 to 40 °C / 32 to 104 °F
 Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

Keyboard Wedge; RS-232; USB; Wand

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

DIMENSIONS

WEIGHT

Black; Dark Grey; White
 20.8 x 10.7 x 5.6 cm / 8.2 x 4.2 x 2.2 in
 OM Gryphon Cradle: 250.0 g / 8.8 oz
 Reader: 280.0 g / 9.9 oz (With Batteries)

READING PERFORMANCE

IMAGER SENSOR

LIGHT SOURCE

PRINT CONTRAST RATIO (MINIMUM)

READ RATE (MAXIMUM)

READING ANGLE

READING INDICATORS

RESOLUTION (MAXIMUM)

CCD Solid-state 3648 pixels
 Illumination: LED Array 630 - 670 nm
 15%
 270 reads/sec.
 Pitch: 65°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 80°
 Beeper (Adjustable Tone); 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: 2.0 to 13.0 cm / 0.8 to 5.1 in
 7.5 mils: 1.0 to 18.0 cm / 0.4 to 7.0 in
 10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in
 13 mils: 1.0 to 28.0 cm / 0.4 to 11.0 in
 20 mils: 2.0 to 37.0 cm / 0.8 to 14.4 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 Class 1 LED

ENVIRONMENTAL COMPLIANCE

LED CLASSIFICATION

UTILITIES

DATALOGIC ALADDIN™

Datalogic Aladdin configuration program is available for download at no charge

OPOS / JAVAPOS

JavaPOS Utilities are available for download at no charge
 OPOS Utilities are available for download at no charge

WARRANTY

2-Year Factory Warranty

Base Stations/Chargers

- 90A351000 Base Station/Charger, Multi-Interface USB, 433 MHz
- 90A351010 Base Station/Charger, Multi-Interface USB, 910 MHz
- 90A351029 Base Station/Charger, Multi-Interface IBM, 433 MHz
- 90A351030 Base Station/Charger, Multi-Interface IBM, 910 MHz

Batteries/Battery Chargers

- 90A351020 Battery Charger, C-Gryphon



Cases/Holsters

- 90ACC1857 Protective Case/Belt Coupler



Mounts/Stands

- 90ACC1760 Hands Free Stand (STD-GRYPHON) for Gryphon Dx000/D110/Mx00, DLC707x-M1
- 90ACC1770 Desk/Wall Holder (SPC-GRYPHON)
- 90ACC1873 Hands Free Stand (STD-1010) for Gryphon Dx20/BTx00
- 90ACC1876 PLATE, Metal Plate for STD-Gryphon, STD-10xx

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