GRYPHON™ I GM4100

 DATALOGIC™

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
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
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 +/- 5%

ENVIRONMENTAL

AMBIENT LIGHT
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 - 95%

PARTICULATE AND WATER SEALING
IP42

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 / 7.3 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-D Only: Graphic with backlight
Font Dimensions: User selectable (4 lines x 16 columns default)
Screen Dimensions: 32 x 96 pixels

KEYPAD
GM4100-D Only: 3-Key Keypad

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

3-Year Factory Warranty

Base Stations/Chargers
• BC4010: Base/Charger POS Multi-Interface
• BC4030: Base/Charger STD Multi-Interface
• CHR-GM40: Charging Only Base Station

Batteries/Battery Chargers
• RBP-GM40: Removable Battery Pack

Mounts/Stands
• 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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