# GRYPHON™ I GFS4100

**◇DATALOGIC**



## SIMPLE TO INTEGRATE

Designed for easy integration, the Gryphon I GFS4100 reader provides a simple 'plug-and-play' solution for system designers. Constructed using high-impact resin to withstand repeated cleanings with solvents and disinfectant solutions, the sealed enclosure meets industrial standards against water and particulates to provide dependable and reliable scanning performance.

## ADVANCED IMAGING TECHNOLOGY

The Gryphon I GFS4100 OEM module shares the same excellent reading characteristics found in the premium line of Gryphon™ 4100 series of handheld devices. Featuring outstanding near-field reading, a wide angle field-of-view, improved motion tolerance and snappy reading, it also offers integrators excellent performance on decoding poor or damaged codes. As with all Gryphon readers, the GFS4100 reader offers users additional good-read visual confirmation with Datalogic's patented 'Green Spot' technology.

## CONTINUOUS SCANNING CAPABILITY

The Gryphon I GFS4100 reader supports several modes that can be used as a trigger. The module has the ability to automatically sense objects and trigger itself. A continuous scan mode transmits data whenever a bar code passes into its field of view. The reader can be triggered remotely using input from programmable logic controller (PLC) or sensor.

## FEATURES

- High-speed imaging for fast moving codes
- Read rate: 320 reads/second
- Excellent near-field reading at the scan window
- Supports all common linear (1D) bar codes including GS1 DataBar™
- Reads high resolution bar codes up to 3 mils
- Datalogic's patented Green Spot for good-read feedback
- Integrated good-read beeper
- Automatic sensing or manual trigger options available
- Integrated interface cable
- High-impact resin creates a solvent-tolerant enclosure
- Water and Particulate Sealing Rating: IP54
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

## INDUSTRY-APPLICATIONS

- **OEM Applications:**
  - Service Kiosks
  - Price Verifiers
  - Ticket Readers
  - Document Handling
  - Medical Laboratories
  - Vending Machines
  - Additional Automated Equipment

# TECHNICAL SPECIFICATIONS

## DECODING CAPABILITY

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| **1D / Linear Codes** | Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes. |

## ELECTRICAL

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| **Current** | Operating (Typical): 390 mA<br>Standby/Idle (Typical): GFS4170: < 2.5 mA |
| **Input Voltage** | 5 VDC +/- 5% |

## ENVIRONMENTAL

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| **Ambient Light** | 0 - 100,000 lux |
| **Drop Resistance** | Withstands repeated drops from 0.76 m / 2.50 ft onto a concrete surface |
| **ESD Protection (Air Discharge)** | 16 kV |
| **Humidity (Non-Condensing)** | 95% |
| **Particulate and Water Sealing** | IP54 |
| **Temperature** | Operating: 0 to 50 °C / 32 to 122 °F<br>Storage/Transport: -25 to 50 °C / -13 to 122 °F |

## INTERFACES

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| **Interfaces** | RS-232; USB |

## PHYSICAL CHARACTERISTICS

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| **Colors Available** | Grey; Other colors and custom logo options are available for minimum quantity purchase. |
| **Dimensions** | 3.9 x 5.7 x 5.8 cm / 1.5 x 2.2 x 2.3 in |
| **Weight** | 170 g / 6 oz (including a 2 m / 6.6 ft RS-232 cable) |

## READING PERFORMANCE

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|---|---|
| **Imager Sensor** | CCD Solid State |
| **Light Source** | Illumination: Dual LED Array 630 - 670 nm |
| **Print Contrast Ratio (Minimum)** | 15% |
| **Read Rate (Maximum)** | 320 reads/sec. |
| **Reading Angle** | Pitch: +/- 65°; Roll (Tilt): +/- 35°;<br>Skew (Yaw): +/- 65° |
| **Reading Indicators** | Beeper; Datalogic 'Green Spot' Good Read Feedback; Good Read LED |
| **Resolution (Maximum)** | 0.076 mm / 3 mils |

## READING RANGES

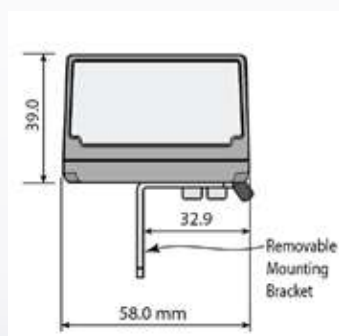| | |
|---|---|
| **Typical Depth of Field** | Minimum distance determined by symbol length and scan angle.<br>Printing resolution, contrast, and ambient light dependent.<br>5 mils: 5.0 to 16.0 cm / 2.0 to 6.3 in<br>8 mils: 3.0 to 27.0 cm / 1.2 to 10.6 in<br>10 mils: 1.5 to 30.0 cm / 0.6 to 11.8 in<br>13 mils: 3.0 to 40.0 cm / 1.2 to 15.7 in<br>20 mils: up to 60.0 cm / up to 23.6 in |

## SAFETY & REGULATORY

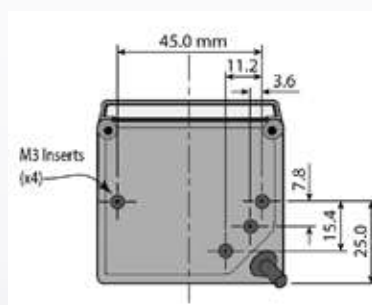| | |
|---|---|
| **Agency Approvals** | The product meets necessary safety and regulatory approvals for its intended use.<br>The Quick Reference Guide for this product can be referred to for a complete list of certifications. |
| **Environmental Compliance** | Complies to China RoHS; Complies to EU RoHS |
| **LED Classification** | IEC 60825-1 Class 1 LED Product |

## UTILITIES

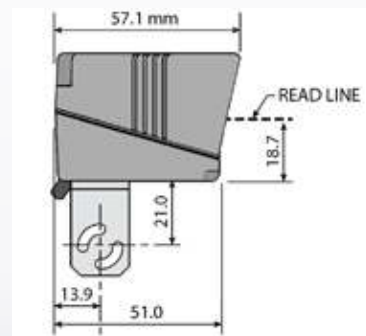| | |
|---|---|
| **Datalogic Aladdin™** | Datalogic Aladdin configuration program is available for download at no charge. |
| **OPOS / JavaPOS** | JavaPOS Utilities are available for download at no charge.<br>OPOS Utilities are available for download at no charge. |
| **Remote Host Download** | Lowers service costs and improves operations. |

## WARRANTY

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|---|---|
| **Warranty** | 3-Year Factory Warranty |



**FRONT VIEW**



HOLE TOLERANCE: +/- 0.1 MM
**BOTTOM VIEW**



**RIGHT SIDE VIEW**