



## SIMPLE TO INTEGRATE

Designed for easy integration, the Gryphon GFS4400 2D module provides a '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 scanning performance.

## ADVANCED IMAGING TECHNOLOGY

The GFS4400 2D OEM module features outstanding near-field reading, a wide angle field-of-view, high motion tolerance, snappy reading, and also offers excellent performance on decoding poor or damaged bar codes. As with all Gryphon readers, the GFS4400 reader offers good-read visual confirmation with Datalogic's patented 'Green Spot' technology.

## RED ILLUMINATING LIGHT AND 4-DOT AIMER

User comfort is maximized with the GFS4400 OEM module's steady, deep red illumination light. Easier on the eyes than competitive products with flicker illumination, the highly visible 4-Dot aimer defines a precise reading zone and reduces accidental reads. The aimer's center cross provides a locator for targeted scanning in a multiple bar code environment.



### FEATURES

- Highly visible 4-Dot aimer with center cross for targeted scanning
- Omnidirectional reading
- Advanced motion tolerance optics
- Image capture and document scanning capabilities
- Reads bar codes down to 4mils
- Reads 1D, 2D and postal codes plus stacked and composite codes
- Interface options: RS-232 or USB
- Datalogic's patented Green Spot for good-read feedback
- Integrated good-read beeper
- Automatic sensing or manual trigger options available
- 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

### DECODING CAPABILITY

|                   |                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1D / LINEAR CODES | Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.                                                                                                          |
| 2D CODES          | Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code                                                                                                         |
| POSTAL CODES      | Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)                                                   |
| STACKED CODES     | EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites |

### ELECTRICAL

|               |                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------|
| CURRENT       | Operating (Typical): < 180 mA<br>Standby/Idle (Typical):<br>Automatic Object Sense Mode: 115 mA<br>Online & Serial OnLine Modes: 65 mA |
| INPUT VOLTAGE | 5 VDC +/- 5%                                                                                                                           |

### ENVIRONMENTAL

|                               |                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------|
| AMBIENT LIGHT                 | 0 - 100,000 lux                                                                          |
| DROP RESISTANCE               | Withstands repeated drops from 0.76 m / 2.50 ft onto a concrete surface                  |
| HUMIDITY (NON-CONDENSING)     | 5-95%                                                                                    |
| PARTICULATE AND WATER SEALING | IP54                                                                                     |
| TEMPERATURE                   | Operating: -20 to 50 °C / -4 to 122 °F<br>Storage/Transport: -20 to 70 °C / -4 to 158 °F |

### INTERFACES

|            |                                                          |
|------------|----------------------------------------------------------|
| INTERFACES | OEM (IBM) USB; RS-232; USB: USB COM;<br>USB HID Keyboard |
|------------|----------------------------------------------------------|

### PHYSICAL CHARACTERISTICS

|                     |                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------|
| 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 (WITH CABLE) | USB: 170 g / 6.3 oz<br>RS-232: 204 g / 7.2 oz                                           |

### READING PERFORMANCE

|                                |                                                                                             |
|--------------------------------|---------------------------------------------------------------------------------------------|
| IMAGE CAPTURE                  | Graphic Formats: BMP, JPEG, TIFF;<br>Greyscale: 256, 16, 2                                  |
| IMAGER SENSOR                  | Wide VGA: 752 x 480 pixels                                                                  |
| LIGHT SOURCE                   | Aiming: 650 nm VLD                                                                          |
| PRINT CONTRAST RATIO (MINIMUM) | 25%                                                                                         |
| READING ANGLE                  | Pitch: +/- 40°; Roll (Tilt): 180°; Skew (Yaw): +/- 40°                                      |
| READING INDICATORS             | Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback; Good Read LED          |
| RESOLUTION (MAXIMUM)           | 1D Linear: 0.102 mm / 4 mils<br>Data Matrix: 0.178 mm / 7 mils<br>PDF417: 0.102 mm / 4 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>Code 39: 5 mil: 4.7 to 17.7 cm / 1.8 to 7.0 in<br>Code 39: 10 mil: 1.7 to 33.2 cm / 0.7 to 13.1 in<br>Data Matrix: 10 mil: 2.7 to 17.1 cm / 1.0 to 6.7 in<br>Data Matrix: 15 mil: 1.2 to 24.6 cm / 0.5 to 9.7 in<br>EAN: 13 mil: 2.5 to 41.9 cm / 1.0 to 16.5 in<br>PDF417: 10 mil: 2.2 to 23.9 cm / 0.9 to 9.4 in<br>QR Code: 10 mil: 3.5 to 16.0 cm / 1.4 to 6.3 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                                                                                                                                            |
| LASER CLASSIFICATION     | Caution Laser Radiation - Do not stare into beam; IEC 60825, Class2                                                                                                                    |

### 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

|          |                         |
|----------|-------------------------|
| WARRANTY | 3-Year Factory Warranty |
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