

# GRYPHON™ | GFS4400 2D



## 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



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## TECHNICAL SPECIFICATIONS

### DECODING CAPABILITY

<b>1D / Linear Codes</b>	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
<b>2D Codes</b>	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code
<b>Postal Codes</b>	Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
<b>Stacked Codes</b>	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

<b>Current</b>	Operating (Typical): < 180 mA Standby/Idle (Typical): Automatic Object Sense Mode: 115 mA Online & Serial OnLine Modes: 65 mA
<b>Input Voltage</b>	5 VDC +/- 5%

### ENVIRONMENTAL

<b>Ambient Light</b>	0 - 100,000 lux
<b>Drop Resistance</b>	Withstands repeated drops from 0.76 m / 2.50 ft onto a concrete surface
<b>Humidity (Non-Condensing)</b>	5 - 95%
<b>Particulate and Water Sealing</b>	IP54
<b>Temperature</b>	Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -20 to 70 °C / -4 to 158 °F

### INTERFACES

<b>Interfaces</b>	OEM (IBM) USB; RS-232; USB: USB COM; USB HID Keyboard
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### PHYSICAL CHARACTERISTICS

<b>Colors Available</b>	Grey; Other colors and custom logo options are available for minimum quantity purchase.
<b>Dimensions</b>	3.9 x 5.7 x 5.8 cm / 1.5 x 2.2 x 2.3 in
<b>Weight (with Cable)</b>	USB: 170 g / 6.3 oz RS-232: 204 g / 7.2 oz

### READING PERFORMANCE

<b>Image Capture</b>	Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2
<b>Image Sensor</b>	Wide VGA: 752 x 480 pixels
<b>Light Source</b>	Aiming: 650 nm VLD
<b>Print Contrast Ratio (Minimum)</b>	25%
<b>Reading Angle</b>	Pitch: +/- 40°; Roll (Tilt): 180°; Skew (Yaw): +/- 40°
<b>Reading Indicators</b>	Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
<b>Resolution (Maximum)</b>	1D Linear: 0.102 mm / 4 mils Data Matrix: 0.178 mm / 7 mils PDF417: 0.102 mm / 4 mils

### READING RANGES

<b>Typical Depth of Field</b>	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. Code 39: 5 mil: 4.7 to 17.7 cm / 1.8 to 7.0 in Code 39: 10 mil: 1.7 to 33.2 cm / 0.7 to 13.1 in Data Matrix: 10 mil: 2.7 to 17.1 cm / 1.0 to 6.7 in Data Matrix: 15 mil: 1.2 to 24.6 cm / 0.5 to 9.7 in EAN: 13 mil: 2.5 to 41.9 cm / 1.0 to 16.5 in PDF417: 10 mil: 2.2 to 23.9 cm / 0.9 to 9.4 in QR Code: 10 mil: 3.5 to 16.0 cm / 1.4 to 6.3 in
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### SAFETY & REGULATORY

<b>Agency Approvals</b>	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.
<b>Environmental Compliance</b>	Complies to China RoHS; Complies to EU RoHS
<b>Laser Classification</b>	Caution Laser Radiation - Do not stare into beam; IEC 60825, Class2

### UTILITIES

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

### WARRANTY

<b>Warranty</b>	3-Year Factory Warranty
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