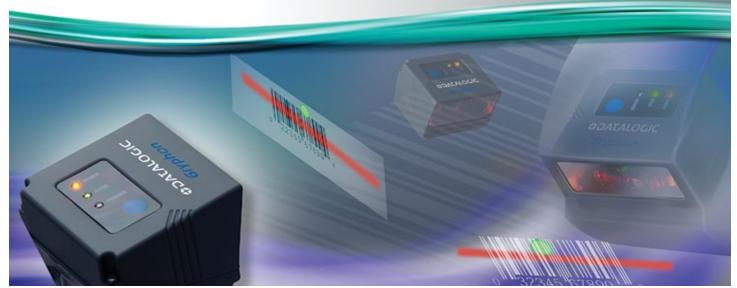
# GRYPHON™ I GFS4100



# FIXED MOUNT LINEAR IMAGER BAR CODE READER

Using advanced imaging technology, the Gryphon™ I GFS4100 fixed mount bar code reader provides a complete self-contained solution for OEM use into self-service kiosks, price verifiers, ticket readers, document handling, and medical laboratory applications, as well as vending machines and other automated equipment.

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.

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.

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.

Available in two models, the GFS4150-9 model supports an RS-232 serial interface, or the GFS4170 features a USB interface. The USB version supports both USB-HID for easy integration and keyboard emulation, or USB COM for virtual serial communications.

# **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 goodread feedback
- · Integrated good-read beeper
- Automatic sensing or manual trigger options available
- Integrated interface cable
- High-impact resin creates a solventtolerant enclosure
- · Water and Particulate Sealing Rating: IP54









# GRYPHON™ I GFS4

# **DECODING CAPABILITY**

1D / LINEAR CODES Autodiscriminates all standard 1D codes including GS1

DataBar™ linear codes

## **ELECTRICAL**

CURRENT Operating (Typical): 390 mA

Standby/Idle (Typical): GFS4170: < 2.5 mA

INPUT VOLTAGE 5 VDC +/- 5%

# **ENVIRONMENTAL**

**AMRIENT 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

Storage/Transport: -25 to 50 °C / -13 to 122 °F

## **INTERFACES**

INTERFACES RS-232; USB

#### 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 170.0 g / 6.0 oz (including a 2.0 m / 6.6 ft RS-232 cable)

#### READING PERFORMANCE

**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°; 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.

Printing resolution, contrast, and ambient light

dependent.

5 mils: 5.0 to 16.0 cm / 2.0 to 6.3 in 8 mils: 3.0 to 27.0 cm / 1.2 to 10.6 in 10 mils: 1.5 to 30.0 cm / 0.6 to 11.8 in 13 mils: 3.0 to 40.0 cm / 1.2 to 15.7 in 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.

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.

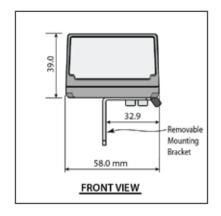
OPOS / JAVAPOS JavaPOS Utilities are available for download at no charge. OPOS Utilities are available for download at no charge.

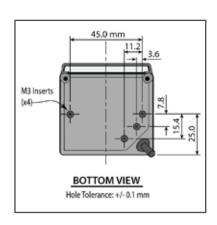
Lowers service costs and improves operations.

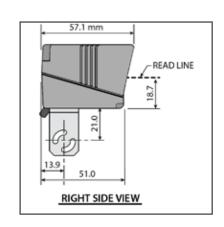
#### WARRANTY

REMOTE HOST DOWNLOAD

WARRANTY 18-Month Factory Warranty







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