



Datalogic for Kiosk applications

Welcome to the future of retail: The dynamic world of kiosks

In the ever-evolving retail landscape, kiosks have revolutionized industry, offering diverse applications that redefine customer interactions and streamline operations. From brick-and-mortar stores to e-commerce giants, kiosks are indispensable, versatile solutions transforming the retail experience. They empower customers with rapid information dissemination, streamlined transactions, and self-checkout systems. Datalogic is proud to be at the forefront of this technology, providing an extensive product portfolio and in-depth knowledge of cutting-edge kiosk design.

Efficiency and Engagement

Beyond conventional checkout, kiosks contribute to operational efficiency, reducing wait times and enabling customer interactions. E-commerce leaders use them for click-and-collect services, seamlessly bridging the gap between online and offline shopping. Kiosks are also powerful marketing tools with dynamic displays showcasing products, promotions, and loyalty programs. Real-time updates enhance engagement and influence purchasing decisions.

Insights and Adaptability

The integration of kiosks with inventory management systems provides real-time insights into stock levels, preventing stockouts, and optimizing supply chains. Kiosks also serve as valuable channels for gathering customer feedback, refining products, and addressing security measures. As technology advances, so too do kiosks, with features such as facial recognition and AI-driven personalization, strengthening customer loyalty and driving sales through targeted marketing.

The Future Beckons

The kiosk market is integral to the retail sector, revolutionizing customer-business interactions. Datalogic remains committed to jointly developing the next generation of kiosk technology with their partners. From information dissemination to transaction processing, kiosks remain at the forefront of operational efficiency and customer engagement. Evolving technology drives innovation, ensuring the enduring impact of kiosks in the dynamic retail industry.

Explore our detailed brochure for a comprehensive overview of the wide range of Datalogic scan modules that power the leading-edge kiosk applications on the market today. Datalogic is already part of kiosk DNA, shaping the future of retail.

Datalogic product range for kiosks



**GRYPHON
4500 FIXED
SERIES**



DSM04XX



**MAGELLAN
900i**



**MAGELLAN
1500i OEM**



**MAGELLAN
34xxVSi
OEM**

Kiosk Applications



ACCESS CONTROL



Barcode access control swiftly validates identity and grants entry based on preconfigured permissions, using unique barcodes embedded in ID cards or mobile apps, making it a popular choice for facilities prioritizing efficient access control due to its simplicity, speed, and traceability.

GRYPHON 4500 FIXED SERIES - DSM04XX - MAGELLAN 900i
MAGELLAN 1500i OEM - MAGELLAN 34xxVSi OEM



PRICE VERIFICATION



The price verification application in stores uses barcode solutions to quickly and accurately access real-time pricing information from a centralized database, enhancing efficiency, minimizing errors, and fostering a transparent shopping experience for consumers.

GRYPHON 4500 FIXED SERIES - MAGELLAN 900i
MAGELLAN 1500i OEM - MAGELLAN 34xxVSi OEM



SELF-CHECKOUT



Customers can swiftly scan item barcodes, triggering instant price recognition, which expedites transactions, reduces queuing time, ensures seamless inventory integration, provides autonomy to customers, and offers cost savings for retailers. Self-checkout reflects a tech-driven evolution in retail meeting modern preferences and operational demands.

GRYPHON 4500 FIXED SERIES - MAGELLAN 900i
MAGELLAN 1500i OEM - MAGELLAN 34xxVSi OEM



SELF-CHECKIN

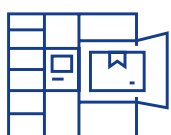


Passengers use electronic kiosks with barcoded boarding passes obtained through mobile apps or printed at home, expediting check-in, allowing for luggage tag printing, minimizing queues, enhancing accuracy, and fostering a seamless, technology-driven airport experience—a testament to the automated and user-friendly evolution in air travel processes.

GRYPHON 4500 FIXED SERIES - DSM04XX - MAGELLAN 900i
MAGELLAN 1500i OEM - MAGELLAN 34xxVSi OEM



SMART LOCKERS



The smart locker application streamlines in-store order retrieval by leveraging barcode solutions, where customers use a unique barcode to trigger the secure and automated opening of the corresponding locker, ensuring accurate order fulfillment, reducing wait times, and providing a modern and efficient solution for both retailers and customers.

GRYPHON 4500 FIXED SERIES - DSM04XX
MAGELLAN 900i - MAGELLAN 1500i OEM

Datalogic products for kiosks applications



Gryphon 4500 Fixed Series (GFS4500 and GFE4500)

The Gryphon 4500 Fixed Series scan modules provide ready-to-use versatile solutions for kiosks and machine manufacturers.

The GFS4500 module can be easily integrated with little effort in different enclosures from multiple sides with its small size and various fixing points.

The 'naked' version, GFE4500, is ideal for tailor-made fully integrated solutions and are made to last with a durable design for maximum uptime.



Why Gryphon 4500 Fixed Series?

- The most advanced **Megapixel sensor technology** grants outstanding reading performance.
- The **wide-angle optics** allows **snappy scanning** of any 1D and 2D barcodes at almost contact.
- The **improved motion tolerance** permits **first pass decoding of fast-moving codes**.
- The ultimate decoding algorithms ensures speedy reading of tickets, boarding passes, loyalty cards, and coupons from **mobile phone displays**.
- A **5-year factory warranty** proves the Gryphon 4500 Fixed Series has been **designed to last**.

DSM04XX

The DSM04XX is an ultra-compact fixed scan module developed to empower a variety of different systems with outstanding reading performance in a small size.

It is the perfect solution when you need to scan both 1D and 2D barcodes from the tightest of spaces.

Despite the size and rugged exterior, the DSM04XX still provides interfacing options to suit all requirements.



Why DSM04XX?

- The DSM04XX is the perfect choice when small size really matters.
- The **highly visible 4-dot aimer** grants easier targeted scanning simplifying user experience.
- Datalogic's **'Green Spot' technology** coupled with a high visibility top LED and integrated loud beeper provide **superior good-read feedback**.
- Whether you need RS-232, USB, or multiple interfaces, the device is ready for **plug and play installation**.
- Scan modes are easily configured between Triggered, Autosense or Soft Trigger





Magellan 900i OEM

With a large field of view and updated electronics, the Magellan 900i packs a lot of scanning performance into its small footprint. Both 1D and 2D barcodes, especially those displayed on a mobile phone, are read quickly and seamlessly. This versatility makes it perfect for a variety of applications from checkout at a convenience store to scanning loyalty or payment applications in a kiosk.



Why Magellan 900i OEM?

- **Large intuitive field of view** with 1 m/s sweep performance in any label orientation
- **Read 1D and 2D labels from any source—printed or mobile**
- **Easy installation** with flush face mount and short cables
- **Consistent, comfortable illumination**
- **Powers from single 5V USB cable, no power supply required**



Magellan 1500i OEM

The Magellan 1500i is an ultra-compact, high performance presentation scanner for a wide variety of applications from retail checkout to access control. With a large field of view and superior motion tolerance, scanning is fast and intuitive for all users. The small size and flexible mounting options make it very easy to integrate into a kiosk or OEM application. The megapixel sensor, custom optics and powerful decoding algorithms create a large reading area capable of reading a variety of 1D, 2D and Digimarc labels, including hard-to-read, truncated and damaged codes.



Why Magellan 1500i OEM?

- **Highest scanning performance** in small space
- **Large reading area** and 1.5m/s sweep performance in **any label orientation**
- **Consistent, comfortable illumination**
- **Read 1D, 2D and Digimarc labels** from any source
- **Multiple mount options** can be swapped without tools



Datalogic products for kiosks applications

Magellan 34xxVSi OEM

The Magellan 3410VSi provides high performance imaging and a large field of view for a variety of applications including small format self-checkout, access control and customer service kiosks. The Magellan 3410VSi OEM scanner provides powerful scanning performance in a small, easy to integrate package. The high-performance sensor, custom optics, discrete illumination and Datalogic's powerful decoding algorithms create a large reading area and provide excellent performance on any label, even for novice users.



Why Magellan 34xx VSi OEM?

- **Largest field of view** for simple, intuitive reading of large items
- **Large window and easy "on the window" scanning** for **self-checkout**
- **Fast sweep scanning** of 1D and 2D labels from **printed or mobile sources**
- **Powers from a single 5V USB cable** for easy installation

Service & more

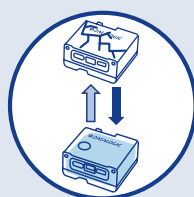
Datalogic IoT platform: turn your device into a smart one



A cloud **platform** for remote **management** and data **collection** of Datalogic **devices**. Save **time** by pushing **updates** on many **devices at once** from a central console, quickly **find** the root **cause** of **issues**, and open support tickets.

Datalogic EASEOFCARE Service Programs

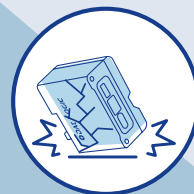
Datalogic's **EASEOFCARE Service Programs** provide superior **life-cycle support** to ensure that products are always operating at peak performance. A **variety of Service Programs** are available to match your business requirements.



FAST REPAIR TURNAROUND (OVERNIGHT / 2 DAYS / 5 DAYS)



BOTH WAYS FREIGHT PAID BY DATALOGIC



ACCIDENTAL DAMAGE COVERAGE



3-5 YEARS CONTRACT SERVICE OPTIONS



GRYPHON 4500 FIXED SERIES	DSM04XX	MAGELLAN 9001 OEM	MAGELLAN 15001 OEM	MAGELLAN 34XXVSI OEM
				

APPLICATIONS

<i>Access control</i>	X	X	X	X	X
<i>Price verification</i>	X		X	X	X
<i>Self-checkout</i>	X		X	X	X
<i>Self-checkin</i>	X	X	X	X	X
<i>Smart lockers</i>	X	X	X	X	

FEATURES

PHYSICAL CHARACTERISTICS

<i>Dimensions</i>	GFS4500: 2.8 x 4.8 x 5.5 cm / 1.1 x 1.9 x 2.2 in GFE4500: 2.0 x 2.7 x 4.8 cm / 0.8 x 1.1 x 1.9 in	4.7 x 2.7 x 3.8 cm / 1.85 x 1.06 x 1.50 in	10.3 x 7.7 x 11.9 cm / 4.1 x 3.0 x 4.7 in	6.0 x 7.5 x 8.4 cm / 2.4 x 3.0 x 3.4 in	12.7 x 14.4 x 7.8 cm / 5.0 x 5.7 x 3.1 in
<i>Weight</i>	GFS4520: 52 g / 1.8 oz (micro-USB connector) GFS4550: 152 g / 5.4 oz (2 m straight cable DB9 connector included) GFS4590: 95 g / 3.4 oz (10 cm cable RJ50 connector included) GFE4590: 17 g / 0.6 oz (12 pin connector)	USB version: approx. 131 g / 4.62 oz RS-232 version: approx. 155 g / 5.47 oz RJ-45 version: approx. 96 g / 3.39 oz	200 g / 7.0 oz	170g / 6 oz	300 g / 10.5 oz

READING PERFORMANCE

<i>Image Sensor</i>	1 Megapixel: 1280 x 800 px	WVGA: 752 x 480 px MP: 1280 x 960 px	1 Megapixel: 1280 x 800 px	1 Megapixel: 1280 x 800 px	1 Megapixel: 1280 x 800 px
<i>Field of View</i>	51°H, 32°V	DSM0421: 40°H x 26°V DSM04X2-DL: 42°H x 32°V DSM04X2-WA: 52°H x 40°V	48° H, 30° V	50° H, 32.5° V	40.3° H, 32.6° V
<i>Light Source</i>	<u>Aiming:</u> Blue LED's 470 nm <u>Illumination:</u> Red LED 617nm (GFX45XX-RED models); Warm white LED (GFX45XX- WHT models)	<u>Aiming:</u> 650 nm VLD <u>Illumination:</u> White LEDs	<u>Aiming:</u> 660 nm VLD <u>Illumination:</u> 660nm LEDs	<u>Aiming:</u> 660 nm VLD <u>Illumination:</u> 720 and 660nm LEDs	<u>Illumination:</u> 660nm LEDs
<i>Motion Tolerance</i>	70 IPS (EAN/UPC)	35 IPS (EAN/UPC)	1m/s (40 IPS) All orientations of EAN/UPC	1.5m/s (60 IPS) All orientations of EAN/UPC	2m/s (80 IPS) All orientations of EAN/UPC
<i>Reads from Smartphone or screen displays</i>	Yes	Yes	Yes	Yes	Yes
<i>Datalogic's 'Green Spot' Technology</i>	Yes	Yes	Yes	Yes	No
<i>Host Interface</i>	GFS4520: USB (micro-USB connector) GFS4550: RS-232 (2 m straight cable DB9 connector) GFS4590: USB / RS-232 (10 cm cable RJ-50 connector) GFE4590: USB / RS-232 (12 pin connector)	USB: HID-KBD, COM, OEM& Composite (KBD & COM) RS-232	USB Keyboard, USB COM, USB OEM RS232	USB Keyboard, USB COM, USB OEM RS232	USB Keyboard, USB COM, USB OEM RS232 Auxiliary port for additional scanner (requires power supply)
RUGGEDNESS / DURABILITY					
<i>IP Rating (Particulate and Liquid Sealing)</i>	IP54 (GFS4500)	IP54	IP52	IP52	N/A
<i>Operating Temperature</i>	GFS4500: -20 to 50 °C / -4 to 122 °F (suitable up to 55°C / 131 °F) GFE4500: -20 to 60 °C / -4 to 140 °F	-20 to 50°C / -4 to 122 °F	w0 to 40 C / 32 to 104 F	0 to 40 C / 32 to 104 F	10 to 40 C / 50 to 104 F
<i>Factory Warranty</i>	5-Year Factory Warranty	3-Year Factory Warranty	3-Year Factory Warranty	3-Year Factory Warranty	3-Year Factory Warranty

