FIXED RETAIL SCANNERS
Product Group Guide

Fixed Retail Scanners: Leveraging the Datalogic Expertise

Datalogic, the world leader in fixed position retail scanning, offers the most complete range of readers with options for convenience, specialty, drug, discount, grocery and supermarket formats. Ranging from small, counter top presentation scanners, to sophisticated in-counter multi-plane scanner-scales, Datalogic provides industry leading vision and imaging technology that offers fast and accurate POS checkout to improve operational efficiency.

Since the first barcode scanner was developed over 50 years ago, Datalogic has developed innovative solutions for front-end retail including integrated Electronic Article Surveillance (EAS), front-end weighing to reduce shrink, and imaging technology for bar code reading, image recognition and image capture.

Our Goal

Enable Retailers to offer the best shopping experience in physical stores, make the check-out process secure and reliable for retailers, and easy and fast for end users.
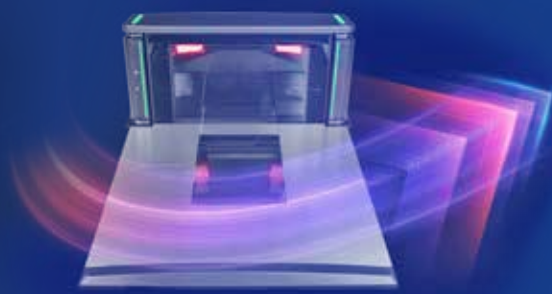
Why Datalogic?

Our comprehensive portfolio offers both premium and value options for any retailer, with best-in-class scanning technologies to solve both current and future needs and applications.

Our distinguishing factors

BUILT TO LAST

BEST SCANNING PERFORMANCE

Datalogic Fixed Retail Scanners: A complete offering

MAGELLAN PRODUCT RANGE

Much as Magellan was the first to circumnavigate the globe, Datalogic created the first bi-optic scanners and have remained on the forefront of the scanning market. The Magellan name has become synonymous with this market leadership and encompasses a variety of multiplane, single plane and presentation scanners for self-checkout, attended lanes and kiosks.

Magellan

SOFTWARE

Aladdin 3.3.0.3 is the smart software configurator for the new Magellan 96/9900i and other Datalogic products. It's an all-in-one software tool that offers easy and fast reader setup and provides customers the opportunity to manage the product configuration, upgrade the product firmware-online and remotely, download pictures from the device, and to create and share configurations.

EASE OF CARE SERVICES

Everything you'd expect from a brand that cares. A comprehensive set of options to deliver the best post-sales support for repairing our devices to keep them running over many years.

OVERNIGHT REPLACEMENT COMPREHENSIVE

2-DAY COMPREHENSIVE

3-DAY COMPREHENSIVE

**5-DAY COMPREHENSIVE**

PREVENTATIVE MAINTENANCE

**INNOVATION**

AWARD WINNING DESIGN

Product Portfolio

COLOR CAMERA VIEW

DATALOGIC MULTIPLANE FAMILY

The new Magellan series of bi-optic scanners have a great differentiation versus previous multiplane generation:
they are not only barcode scanners with superior scanning speed but they go beyond, featuring dual-color cameras- they also enhance produce recognition & assurance, enable ticket switching, and incorporate scan avoidance technology to help retailers reduce shrinkage ("Loss Prevention features").

Top Down Reader

Magellan 9900i

Magellan 9600i

Color Cameras

Magellan 9550i

Low Power Consumption
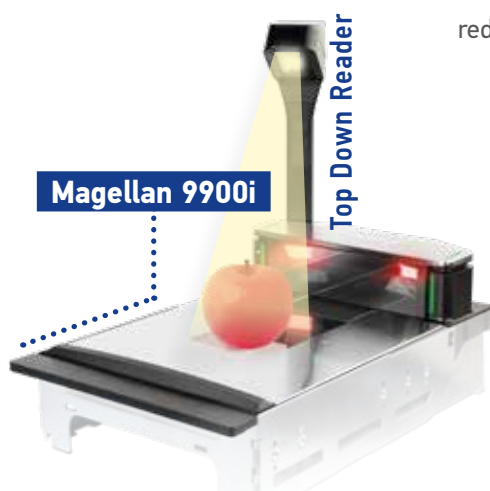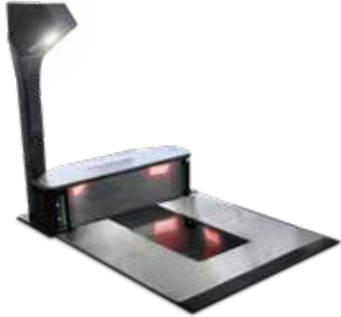
MAGELLAN 9900i

The Magellan™ 9900i scanner and scanner/scale offer a 30% smaller bonnet and true top down and customer facing reading. The new portfolio includes options that enable Artificial Intelligence (AI) at the checkout putting the Magellan™ 9900i portfolio in a class of its own. The ability to choose from 3 chassis lengths allows customers to have a tailored solution that solves all of their checkout needs.
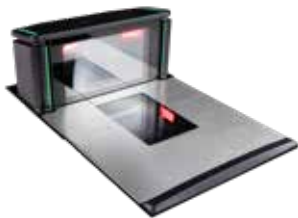
Checkout   **Self-checkout**   **Loss prevention**

Highlights

- QuadVision™ cameras and multi-core processor for unmatched scanning throughput
- Low Bonnet improves accessibility in Self-Checkout and removes barrier between cashier and customer
- Top Down Reader provides a view of the top of items, yielding true 6 sided scanning and an excellent view of platter for loss prevention
- Customer Facing Reader lets customers scan loyalty cards and coupons while the cashier scans purchased items in parallel
- Integrated color camera modules in Horizontal plane and TDR for real time view of scanning area
- Enhanced processing enables AI on the scanner for produce recognition, ticket switching, item ID and other loss prevention applications
- On Board Ethernet switch connects internal and external cameras and syncs them to scanner illumination for true full color imaging

MAGELLAN 9600i

Fresh styling, rugged design and new options that enable Artificial Intelligence (AI) at the checkout put the Magellan™ 9600i portfolio in a class of its own. The ability to choose from 3 chassis lengths and multiple check stand mount options allows customers to have a tailored solution that solves all of their assisted and self-checkout needs.

Checkout   **Self-checkout**   **Loss prevention**

Highlights

- QuadVision™ cameras and multi-core processor for excellent scanning throughput
- Tall bonnet provides larger vertical field of view and fits into existing M93/9400/M8500 installations
- 5 sided scanning for easy scanning of any barcode in any application
- Integrated color camera modules in Horizontal and Vertical planes
- Enhanced processing enables AI on the scanner for produce recognition, ticket switching, item ID and other loss prevention applications
- Scale Sentry™ and All-Weighs™ platter ensure accurate weighing
- On Board Ethernet switch connects internal and external cameras and syncs them to scanner illumination for true full color imaging

MAGELLAN 9550i

Designed for excellent performance and low power consumption. The Magellan 9550i delivers a low Total Cost of Ownership and outstanding scanning of 1D and 2D barcodes. GS1 2D Digital Link ready out-of-the-box.

Checkout   **Self-checkout**

Highlights

- 45% faster 2D scanning than the previous generation. 14% faster than the previous generation in 1D, even for damaged barcodes.
- Less than 3W of power consumption for reduced total cost of ownership and increased sustainability while maintaining excellent performance.
- The Magellan 9550i is ready for GS1 2D Digital Link for the ultimate in traceability.

Product Portfolio

MAGELLAN™ 3450VSi/3550HSi

The Magellan™ 3450VSi/3550HSi series of scanners use the latest technology to seamlessly read 1D, 2D and Digimarc® Barcodes for a variety of POS applications, while improving ergonomics and the user experience with intelligent illumination and intuitive controls.

Checkout

Point-of-sale

Highlights

- Advanced digital imaging provides class-leading performance and reliability
- Smoothly reads all barcodes (1D, 2D and Digimarc®) displayed or printed
- Subtle, adaptive illumination for user comfort
- Solid-state electronics for silent operation and superior reliability
- Available Magellan Customer Service Scanner (CSS) with omni-mount for reading cell phones, coupons and loyalty cards
- Software driven - flexible and upgradeable
- Image capture and micro SD card slot
- Multiple interfaces in every unit
- Powered USB auxiliary port
- Checkpoint Systems and Tyco Sensormatic EAS compatible
- Diagnostics reporting

MAGELLAN™ 3410VSi/3510HSi

The Magellan 3410VSi/3510HSi series of scanners continue the Datalogic tradition of high performance imaging for the point of sale. The new electronics platform provides outstanding performance and easy connection to any POS system.

Checkout

Point-of-sale

Highlights

- Advanced digital imaging provides class-leading performance and reliability
- Smoothly reads all barcodes (1D, 2D and Digimarc®) displayed or printed
- Subtle, adaptive illumination for user comfort
- Solid-state electronics for silent operation and superior reliability
- Powers from single Type A USB port- 2.5 W
- Available Magellan Customer Service Scanner (CSS) with omni- mount for reading cell phones, coupons and loyalty cards
- Software driven - flexible and upgradeable
- Image capture and micro SD card slot
- Checkpoint Systems and Tyco Sensormatic EAS compatible
- Diagnostics reporting

MAGELLAN 1500i

The Magellan 1500i omnidirectional presentation scanner is a versatile and stylish addition to any point of sale. With Datalogic's latest digital imaging technology, it seamlessly decodes both 1D and 2D barcodes on everything from printed product labels to mobile coupons, loyalty cards, tickets and boarding passes.

Highlights

- Advanced digital imaging provides class-leading performance and reliability
- Seamlessly reads 1D and 2D barcodes, whether printed or displayed on mobile phone, laptop or tablets
- Ergonomic design and subtle adaptive illumination for user comfort
- The most compact size in its class for easy integration into kiosks
- Accelerometer allows for automatic transition to presentation mode for handheld scanning
- LED aimer for precision scanning and 'Green Spot' technology for good-read feedback
- Image capture & adjustable stand
- Riser, tilting riser, wall, or magnetic mounting options
- Available interfaces: RS-232 or USB, OEM
- Checkpoint® Systems EAS and Interlock Compatible
- Easily monitored and updated via Remote Management, Aladdin or programming guides

Price checking | **Access control** | **Checkout** | **Point-of-sale** | **Document handling** | **Laboratory** | **Light manufacturing** | **Picking & Packing**

MAGELLAN 900i

The Magellan 900i omnidirectional presentation scanner is a versatile addition to any point-of-sale or service counter. With Datalogic's latest digital imaging technology, the Magellan 900i makes it easy to read any bar code in any situation. The simple, clean aesthetic of the Magellan 900i makes it blend into any store format and with any point-of-sale system. The compact footprint maximizes stability and space efficiency.

Highlights

- Advanced digital imaging provides excellent performance and reliability
- Seamlessly reads 1D and 2D barcodes, whether printed or displayed on mobile phone
- Subtle, adaptive illumination for user comfort
- Compact, ergonomic design is ideal for hands-free or handheld operations
- LED aimer for precision scanning and 'Green Spot' technology for good-read feedback
- Tilting riser, kiosk bracket, and magnetic mounting options
- Image capture & adjustable stand
- Available interfaces: RS-232 or USB, OEM
- Checkpoint® Systems EAS and Interlock Compatible
- Easily monitored and updated via Remote Management, Aladdin or programming guides

Price checking | **Access control** | **Checkout** | **Point-of-sale** | **Document handling** | **Light manufacturing**

Product Portfolio

MAGELLAN 3410 OEM

The Magellan 3410VSi OEM scanner brings high performance imaging and a large reading area to your kiosk or OEM application. With the same electronics and optics as the Magellan 3410VSi, the OEM scanner provides strong performance in a smaller package that is easy to install. The electronics from the M3410VSi platform allow for powering from a single 5V USB connection, eliminating the need for an external power supply and making installation easy.

Point-of-sale

Price checking

Kiosk and self-checkout applications

Highlights

- Advanced digital imaging provides class-leading performance and reliability
- Seamless 1D, 2D and Digimarc® digital watermark reading
- Smoothly reads all barcodes, whether displayed on cell phones or printed
- Subtle, adaptive illumination for user comfort
- Solid-state electronics for silent operation and superior reliability
- Powers from single Type A USB port- 2.5 W
- Scan Sentry uses the scanner's camera to detect scan avoidance at self-checkout
- Software driven - flexible and upgradeable
- Image capture
- Micro SD card slot
- Multiple interfaces in every unit
- USB auxiliary port for connecting additional scanners
- Diagnostics reporting
- Optional 12 unit multipack packaging available

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 cards or tickets at a kiosk.

Highlights

- Advanced digital imaging provides excellent performance and reliability
- Seamlessly reads 1D and 2D barcodes, whether printed or displayed on mobile phone
- Subtle, adaptive illumination for user comfort
- LED aimer for precision scanning and 'Green Spot' technology for good-read feedback
- Kiosk bracket for convenient installation
- Image capture and adjustable stand
- Available interfaces: RS-232 or USB, OEM
- Checkpoint® Systems EAS and Interlock Compatible
- Easily monitored and updated via Remote Management, Aladdin or programming guides

Access control

Price checking

Kiosk and self-checkout applications

Self-checkin

Smart lockers

Laboratory

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.

Highlights

- Advanced digital imaging provides class-leading performance and reliability
- Reads1D and 2D barcodes, whether printed or displayed on mobile phone
- Adaptive illumination for user comfort
- LED aimer for precision scanning and 'Green Spot' technology for good-read feedback
- Image capture
- Kiosk bracket for convenient installation
- Available interfaces: RS-232 or USB, OEM

Access control

Price checking

Kiosk and self-checkout applications

Self-checkin

Smart lockers

Laboratory

	MULTI-PLANE SCANNERS			SINGLE PLAN
	MAGELLAN™ 9900i	**MAGELLAN™ 9600i**	**MAGELLAN™ 9550i**	**MAGELLAN™ 3410VSI/3510HSI**
APPLICATIONS				
Retail	X	X	X	X
Healthcare	-	-	-	X
FEATURES				
Sides Read	6 Sides plus CFR	5 Sides plus Omni-Mount CSS	5 Sides plus CSS	M3410VSi: Omnidirectional Imaging; M3510HSi: 2 Sides
Sweep Scanning	X	X	X	X
Color imaging	Optional integrated color cameras and color TDRs for machine learning image capture and simultaneous video streaming	Two optional color cameras can be used for machine learning image capture and simultaneous video streaming	Optional in-bonnet USB color camera	-
Power Consumption (Typical)	9.3 Watts Nominal operation, 7.3 Watts in sleep mode	9.3 Watts Nominal operation, 7.3 Watts in sleep mode	Power Consumption: Operating (Nominal): 2.57W in ECO Mode (3.95W Standard Mode) Idle (Nominal): 1.7W in ECO Mode (2.6W Standard Mode)	1.6W Typical
Auxiliary Powered Port	X	X	X	X (With 12V supply)
1D / Linear Codes	X	X	X	X
2D Codes	X	X	X	X
Digimarc® Barcode	X	X	-	X
Image Capture	X	X	X	X
Reads from Cell Phones & Loyalty Cards	X	X	X	X
Factory Warranty	1 Year	1 Year	1 Year	3 Years
OPTIONS				
Scan Window Glass Option	Sapphire	Sapphire	Sapphire	M3510HSi: Tin Oxide or Sapphire
Mount Options	3 chassis lengths and multiple check stand mount options	3 chassis lengths and multiple check stand mount options	3 chassis lengths and multiple check stand mount options	M3410VSi: Wall/Counter, Tilting Riser; M3510HSi: Stainless steel in-counter mount, fill kits
All-Weighs™ Scale Platter	All Models	All Models	All Models	-
ScaleSentry™ Monitoring System	X	X	X	-
Produce Rail™ / Lift Bar	All Long and Medium Models	All Long and Medium Models	All Long and Medium models.	-
Remote Display (Single / Dual)	Scale Model Only	Scale Model Only	Scale Model Only	-
EAS Checkpoint Option (Integrated)	X	X	X	X
EAS Sensormatic Option (Integrated)	External Antenna Purchased Separately	External Antenna Purchased Separately	External Antenna Purchased Separately	External Antenna Purchased Separately
VALUE ADDED FEATURES				
Host Download	X	X	X	X
Diagnostic Reporting	X	X	X	X

◇DATALOGIC

E SCANNERS	PRESENTATION SCANNERS & OEM BARCODE READERS			LOSS PREVENTION
MAGELLAN™ 3450VSI/3550HSI	MAGELLAN™ 1500i	MAGELLAN™ 900i	MAGELLAN™ 3410 OEM	LANEHAWK 5000
X	X	X	X	X
X	X	X	-	-
M3450VSi: Omnidirectional Imaging; M3550HSi: 2 Sides	Omnidirectional Imaging	Omnidirectional Imaging	Omnidirectional Imaging	4 Sides
X	X	X	X	-
-	-	-	-	-
3.6 Watts	2 W Typical	1.5 W Typical	1.6W Typical	10 Watts, Complies with IEEE 802.3af-2003 for Power Over Ethernet
X	-		X	Optional
X	X	X	X	X
X	X	X	X	-
X	X	-	Optional	Optional
X	X		X	X
X	X	X	X	-
3 Years	3 Years	3 Years	3 Years	90 Days
M3550HSi: Tin Oxide or Sapphire	-	-	-	-
M3450VSi: Wall/Counter, Tilting Riser; M3550HSi: Stainless steel in-counter mount, fill kits	Tilting Stand, Large Tilting Stand, Short Riser, Wall Mount	Tilting riser, magnetic mount, and kiosk bracket	OEM Mount	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
X	X	X	-	-
External Antenna Purchased Separately	External Antenna Purchased Separately	External Antenna Purchased Separately	External Antenna Purchased Separately	-
X	X	X	X	X
X	X	X	X	X

Fixed Retail Scanners Applications

ATTENDED LANE POINT OF SALE
with Magellan 9550i, 9600i, and 9900i Multi Plane Series

- With digital imagers in all planes, the industry leading Magellan multi-plane scanners read both 1D and 2D barcodes seamlessly without requiring item orientation by the cashier.
- Choose from different models for preferred bonnet heights, scale sizes, auxiliary scanners, and technology in loss prevention and AI item recognition.

SELF CHECKOUT POINT OF SALE
With Magellan 9550i, 9600i, and 9900i MultiPlane Series and with xxxx Single Plane Series

- Multi-Plane scanners are ideal for Self-Checkout because they offer fast, hands-free scanning. Their advanced imaging technology ensures high accuracy, even for damaged, poorly printed, or digital barcodes, reducing scanning errors and improving the overall checkout experience.
- When more processing power and faster throughput is needed, the high end Magellan 3550HSi has the best scanning performance of any single plane scanner on the market.
- The USB auxiliary port included in both products makes adding a customer service scanner or a Datalogic handheld scanner quick and easy.

ACCESS CONTROL
with Magellan 1500i

- Reduce lines by easily reading 1D and 2D barcodes, whether printed or displayed on mobile phones.
- The 1500i ensures user comfort with adaptive illumination and compact ergonomic designs.
- Easily integrate with plug and play USB connectivity and simple configuration using Aladdin software.

◆DATALOGIC

KIOSKS (Ticketing, Price Checking, Smart Locker, Vending Machine)
with Magellan 3410VSi and 3450VSi Single Plane Series

- The extra-large window and fast sweep scanning provide intuitive and fast reading from a variety of barcodes and other sources.
- Mounting brackets and fully enclosed housings are available for seamless integration.
- The Magellan 3410VSi is also available as an OEM product.

HEALTHCARE – LABORATORY
with Magellan 1500i

- Enable Industry leading scanning with a compact footprint that makes on-counter scanning simple and hands free.
- Hardware mounting and software configurations are customizable for your workflows to ensure efficient verification of critical data.

PICKING & PACKING (Logistics)
with Magellan 900i

- The omnidirectional imaging allows you to read codes in any direction and will keep up with your material handling with fast sweep speeds and large scanning areas.
- Rely on the 900i to decode even when barcodes are damaged or smudged while in transport, reducing critical disruptions to your operations.

Software & tools

DATALOGIC ALADDIN
Smart software configurator

The First Retail Scanner configuration Aladdin 3.3.0.3 is the new software configurator for Datalogic OEM ScanEngine, Magellan product range and handheld scanners. It's an all-in-one software tool that offers easy and fast reader set-up. Datalogic Aladdin 3 provides customers the opportunity to manage the product configuration, and allows flexible advanced formatting through an intuitive user interface. The tool also makes it easy for customers to upgrade the product firmware, to attain the benefits of new reader features. Used in combination with the Datalogic USB-COM drivers, supports the following Microsoft® operating systems: Windows 11, 10, 8.1, 8, 7, 64-bit versions.

Available on the whole Magellan portfolio:
- Bi-optic scanners
- Single Plane scanners
- Presentation Scanners

https://aladdin.datalogic.com/#
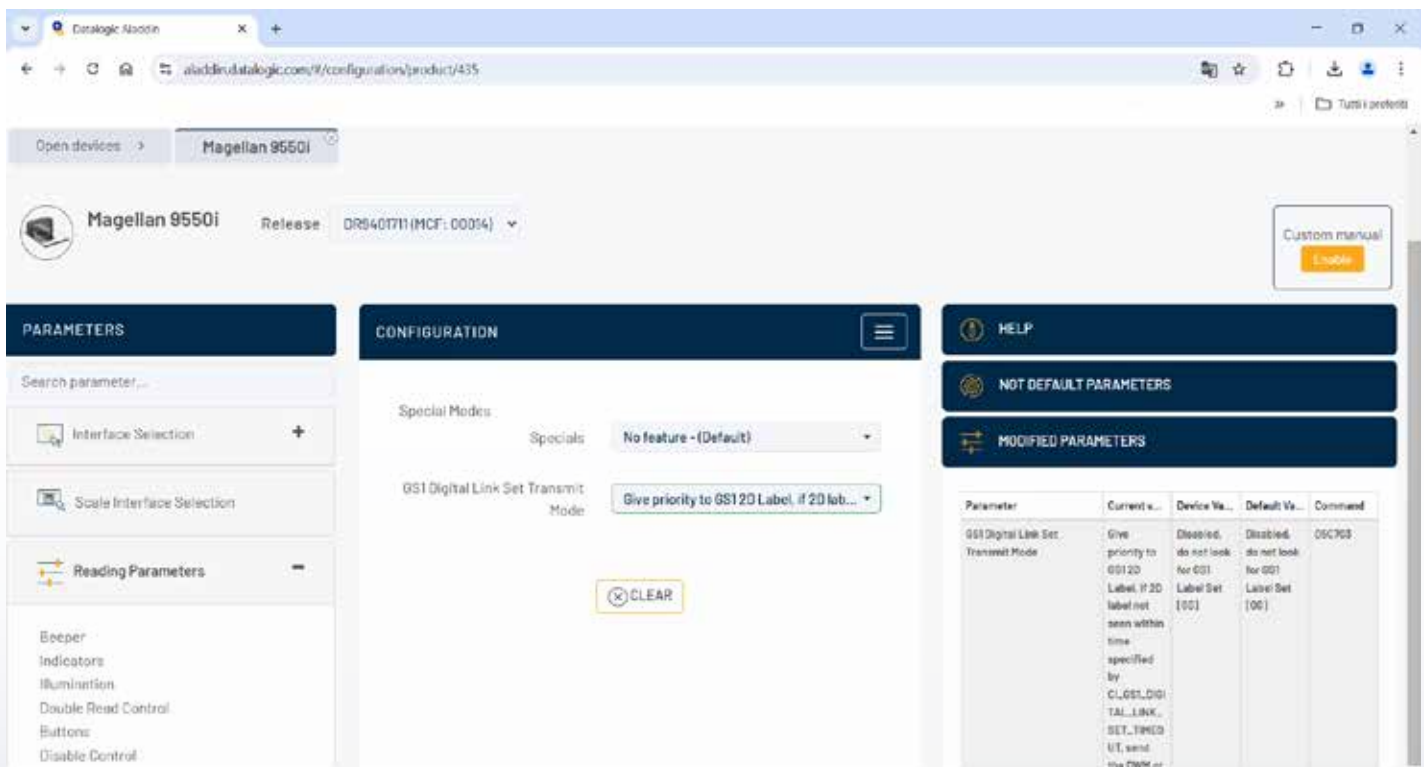
Service programs

Datalogic's EASEOFCARE Service Programs provide superior life-cycle support to ensure that products are always operating at peak performance.

Our market-leading Care programs are a key reason for customers to choose and keep Datalogic products, maximizing their uptime and lifecycle so that they can also be assured that their software is always running on a healthy and reliable device.
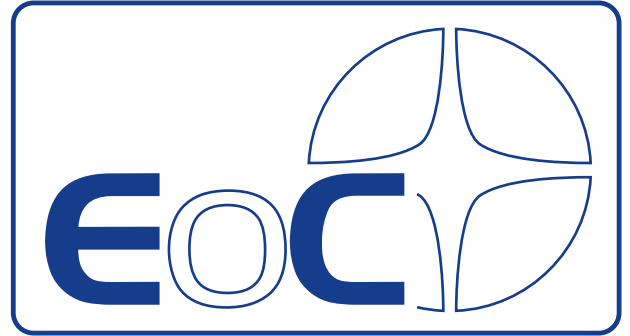
FAST REPAIR TURNAROUND (OVERNIGHT / 2 DAYS / 3 DAYS / 5 DAYS)

ACCIDENTAL DAMAGE COVERED BY COMPREHENSIVE PACKAGE (OR OPTION)

BOTH WAYS FREIGHT PAID BY DATALOGIC*

3-5 YEARS CONTRACT SERVICE OPTIONS

* on overnight/2days only

DATALOGIC

EMPOWER YOUR VISION

www.datalogic.com