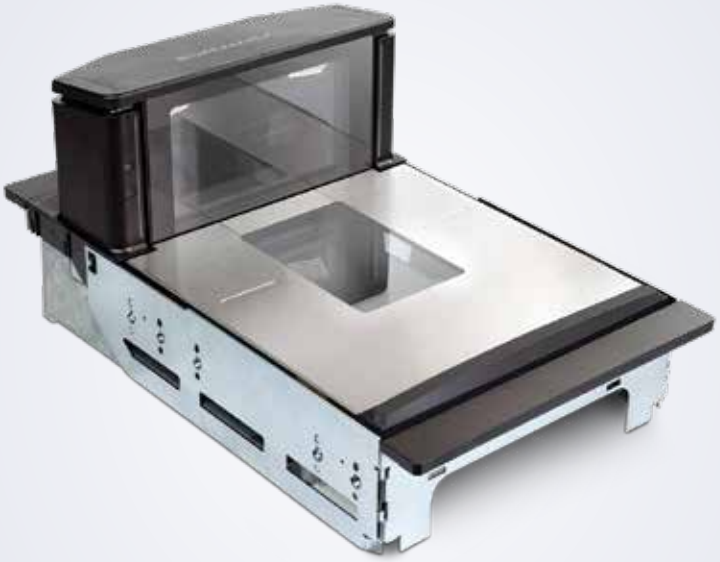
MAGELLAN™ 9600i

Scanning Excellence with an AI Edge



THE NEXT GENERATION IS HERE

The #1 selling "in counter" scanners for assisted and self check-out are now even better. Fresh styling, rugged design, industry-leading scan performance and new options that enable Artificial Intelligence (AI) at the check-out put the Magellan 9600i portfolio in a class of its own.

With basic and advanced configurations, the 9600i scanner and scanner/scale is the perfect companion for Point of Sale (POS) systems in all high throughput check-out environments.

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 check-out needs.

ENHANCING THE CASHIER OR CUSTOMER EXPERIENCE

Packed with the latest imaging technology, the 9600i scanners feature the largest scan volume in their class. This ensures fastest read rates and ease of use regardless of 1D, 2D, GS1 or Digimarc symbologies.

The new Magellan scanners feature capacitive touch buttons and smooth surfaces to ensure the above counter areas are easy to clean and sanitize.

The 9600i offers an optional external mounted customer-facing reader enabling customers to scan mobile devices and coupons independent from a cashier in assisted lanes.

FEATURES FOR TODAY AND THE FUTURE

Magellan 9600i is powered by QuadVision™, a multi-core processor and multi-camera system with embedded Linux operating system to future-proof the platform. ScanSentry™ color camera options and neural processors coming in 2023 will result in a check-out that is fully enabled to support Artificial Intelligence (AI) software that will boost customer satisfaction and improve loss prevention.

FEATURES

- Magellan 9600i features QuadVision™, a powerful IMX8 multi-core processor utilizing 4 cameras (2 horizontal and 2 vertical) that will deliver multiple high resolution images for each scan. Combine the powerful processors, 5 sided image capture and Datalogic's legendary software and you have previously unheard of performance to decode the most difficult and damaged barcodes. In addition, two optional color cameras can be used for machine learning image capture and simultaneous video streaming via Ethernet or USB 3.0 for loss prevention in future releases.
- Optional built-in neural processors and accelerators enable trillions of operations per second inside the scanner eliminating a need for extra servers or cloud connections at the checkout.
- Note that the performance has already been optimized for the future GS1 Digital Link symbology which links valuable manufacturing and health safety details to each transaction. However GS1 final decode is subject to update during pilot testing.

INTEGRATED LOSS PREVENTION

ScaleSentry Technology

- Monitors the 2 primary sides of the scale platter with an infrared (invisible) beam to detect if fruit or produce is misplaced on the scale platter causing the item to be under-weighed.
- Misplaced fruits or produce will break the infrared beam and trigger an alert to the cashier, preventing the weight from being transmitted to the POS until the cashier corrects the problem.

All-Weighs™ Scale Platter

- The All-Weighs scale platter design provides an alternative weighing surface on top of the bonnet, allowing the user to lay produce that is too long to fit on the platter.

MAGELLAN 9600i (Scanner only: 9610, 9611, 9612; Scanner/Scale: 9621, 9622)

TECHNICAL SPECIFICATIONS

DECODING CAPABILITY	
Auto Discriminates all Retail Barcodes	EAN/JAN/UPC, Code 128, EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417; PDF417; UPC A/E Composites. Aztec Code; Data Matrix; QR Code, Micro QR, Digimarc® Barcode and all future GS1 Codes.
Illumination	Multiple diffused LEDs: orientation and wavelength optimized for eye comfort.
Scan Indicators	Visual: Good Read confirmation for all reading planes Audio: 85 dB Speaker - Adjustable Tone and Volume plus Supports WAV file formats
COMMUNICATIONS INTERFACES	
Host Multi-Interface	RS-232 / IBM 46XX / USB Multi-Interface: OEM (IBM) USB Plus Power (Scanner / Scale); RS-232 (Scanner) / RS-232 (Scale); RS-232 (Scanner) or Single Cable RS-232 (Scanner / Scale)
POS Operating Systems	Windows10, Linux, 4690, Android™; OPOS and JavaPOS utilities are available for download
Auxiliary Ports	Powered USB Host (Type A) (x2); Powered RS-232; Remote Scale Display; EAS Controller Ports; Sensormatic, Interlock
Ethernet Ports	1 x Ethernet is standard; Optional 3 or 7 Port Ethernet switch (IEEE1588) NOTE: Switch requires an external 48V power supply
OPTIONAL SCALE FEATURES	
Magellan Dual Interval Scale Technology	Minimum Increment: Range 1: 0.002 kg / 0.005 lb; Range 2: 0.005 kg / 0.010 lb Scale Capacity: Range 1: 0 - 6.0 kg / 0 - 15.0 lb; Range 2: 6.0 - 15.0 kg / 15.0 - 30.0 lb
Magellan Single Interval Scale Technology	Minimum Increment: 0.005 kg / 0.010 lb; Scale Capacity: 0 - 15.0 kg / 0 - 30.0 lb
Adaptive Scale	Compatibility – Adaptive Scales: Avery; Bizerba; DIGI; Herbert; Mettler Toledo; Shekel Max. Static Weight: 68.0 kg / 150.0 lb Vibration Immunity: 4 Filter settings
LOSS PREVENTION	
All-Weighs Scale Platter	Integrated horizontal and vertical scale platter surfaces increase active weighing area for easy, accurate weighing of large items.
ScaleSentry	ScaleSentry is an infrared platter detection system to provide shrink prevention; Configurable audio / visual indicators identify items placed outside weighing surface
EAS Features	Integrated EAS Antenna for Checkpoint and Nedap. Sensormatic Deactivation Controller integrated with Datalogic SmartSentry™ technology; Scanner provides Good Read / EAS Status Indicators

PHYSICAL CHARACTERISTICS	
Dimensions	Depth (Below Counter): 10.2 cm / 4 in Length: Short - 35.2 cm / 13.9 in Length: Medium - 39.9 cm / 15.7 in Length: Long - 43.7 cm / 17.2 in Width: 29.2 cm / 11.5 in 9600i Height (Above Counter): 13.4 cm / 5.3 in
ELECTRICAL	
Power Requirements	Scanner Power Consumption: 12 VDC Operating (Nominal): 9.3 Watts; Sleep: 7.3 Watts; Optional Scanner DC brick: AC Input: 100 - 240 VAC, 50-60 Hz Optional Ethernet 48 VDC brick: AC Input: 100 - 240 VAC, 50-60 Hz
ENVIRONMENTAL	
Ambient Light	0-86,080 lux
ESD Protection	25 kV air discharge
Humidity (Non-Condensing)	5 - 95%
Temperature	Operating: 10 to 40 °C / 50 to 104 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F
SAFETY & REGULATORY	
Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use. See Quick Reference Guide for a complete list of certifications.
Environmental Compliance	Complies to China RoHS; Complies to EU RoHS; Complies to R.E.A.C.H. - EC1907/2006
UTILITIES	
Aladdin™ Configurator	Datalogic Aladdin provides customers the opportunity to manage the configuration of handheld or fixed position products, and allows firmware updates, advanced formatting through an intuitive user interface.
Magellan SDK(s)	Datalogic will provide developer tools to support POS integration and the optional AI enablement HW functionality (Color cameras, Neural Processors, and Ethernet expansion).
Remote Management Capabilities	Current Diagnostic Reporting utilizes WMI (OPOS and JavaPOS) and MBeans (JavaPOS); Host Download Supports IBM Director, Wavelink Avalanche™ and other ERP management solutions.
FUTURE AI ENABLEMENT FEATURES (OPTIONAL)	
Image Capture	Magellan 9600i offers two integrated color cameras for AI inference models such as produce / item recognition (integrated vertical and horizontal).
Neural Processors	Magellan 9600i color cameras have integrated neural processors.
Tensor Processor	Magellan 9600i offers a Coral TPU for AI inference model acceleration inside the scanner.
WARRANTY	
Warranty	1-Year Standard Factory Warranty (5 day turn around)

For more information, contact us at sales@mai.hr

ACCESSORIES

90ACC0340 Single Display/Single Interval

90ACC0343 Dual Display/Single Interval

Smart Color Cameras (coming soon)

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