S3106

Scanning Excellence with an AI Edge

Diebold Nixdorf

The Next Generation Is Here

The 'in counter' scanners for assisted and self-checkout are now even better. Fresh styling, rugged design, industry-leading scan performance and new options that enable Artificial Intelligence (AI) at the checkout put the Magellan 9600i portfolio in a class of its own. With basic and advanced configurations, the 9600i scanner and scanner/scale are the perfect companions for Point of Sale (POS) and Diebold Nixdorf self-service DN Series® EASY systems in all high throughput checkout environments.

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 the fastest read rates and ease of use regardless of 1D,2D, GS1 or Digimarc® symbologies from traditional media (e.g., paper, carton box) or display surfaces (e.g., mobile phone). 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 externally mounted customer-facing reader enabling customers to scan mobile devices and coupons independently 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. Color camera options and neural processors result in a checkout that is fully prepared to support Artificial Intelligence (AI) software that will boost customer satisfaction and dramatically 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 with 5-sided image capture, 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 the need for extra servers or cloud connections at the checkout.
- Be ready for the future GS1 Digital Link symbology, which links valuable manufacturing and health safety details to each transaction.
- Supported by the powered interface on the BEETLE system
- Plug-and-play compatibility with Diebold Nixdorf ProBase Store

Industry - Application

ScaleSentry Technology

- Monitors the 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.

All-Weighs™ Scale Platter

- The All-Weighs scale platter design provides a total scanner weighing surface, including the top of the bonnet, allowing the user to properly weigh produce that is too long to fit on the platter surface.

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 StackedOmnidirectional; MicroPDF417; PDF417; UPC A/E Composites. Aztec Code; Data Matrix; QR Code, MicroQR, 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 / 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)

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 7 Port Ethernet switch (IEEE1588) NOTE: Switch requires an external 48V power supply

OPTIONAL SCALE FEATURES
Magellan Single Interval
- Minimum Increment: 0.005 kg / 0.010 lb;
- Scale Capacity: 0 -15.0 kg / 0 - 30.0 lb

Scale Technology Adaptive Scale
- Magellan supports Bizerba, Mettler Toledo, and Digi

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. Scanner provides Good-read / EAS Status IndicatorsPower

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
- 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

Power Supply
- Power Supply 12V without power cable

Cable
- WN RS232 I/F cable straight 4.5 m
- USB Power Plus 12V POT cable w. ferrite straight 4.5 m

Additional
- EAS interlock cable

Mains Cable
- United States, Europe (Schuko, Typ F CEE 7/4), Switzerland, United Kingdom, Australia, China, India

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 the 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. - EC1907/2006DECODING

AI ENABLEMENT FEATURES (OPTIONAL)
Image Capture
- Magellan 9600i offers an integrated vertical plane color camera (VCCM) and a horizontal plane camera (HCCM).

Neural Processors
- Magellan 9600i can be optionally equipped with offer embedded neural Processors for executing AI inference models

Ethernet Switch
- The optional 7-port ethernet switch allows the Magellan to connect up to 2 integrated and 4 external cameras for creating a ʻzone of cognition.

ACCESSORIES
- 90ACC0340 Single Display/ Single Interval
- Vertical Color Camera (VCCM)
- Horizontal Color Camera (HCCM)
- Ethernet Switch
- Tensor Processing Unit (TPU)

Learn more at **DieboldNixdorf.com/DNSeries.**