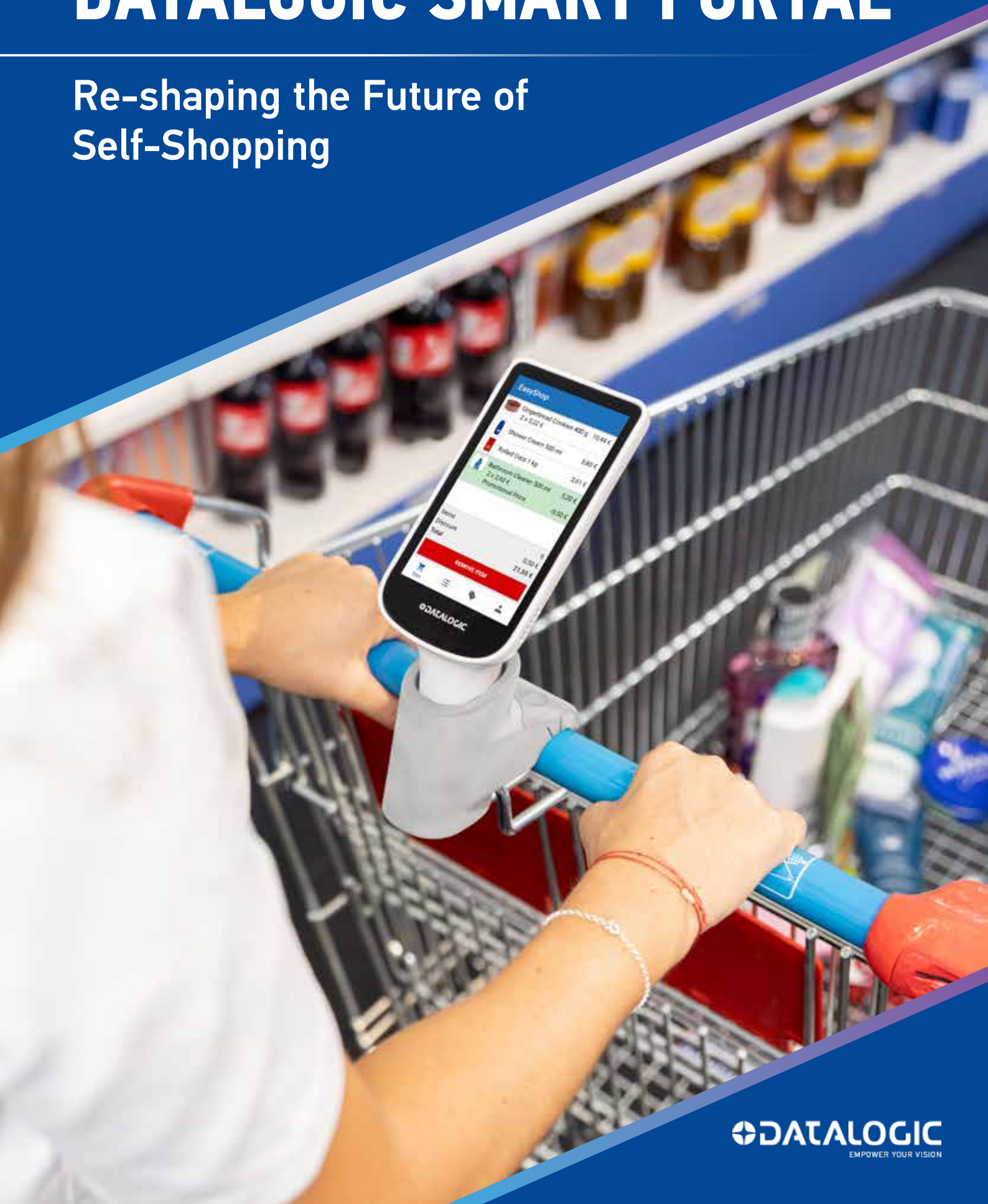
JOYA SMART & SMART + DATALOGIC SMART PORTAL

Re-shaping the Future of Self-Shopping



DATALOGIC
EMPOWER YOUR VISION

WHY CHOOSE DATALOGIC JOYA SMART FAMILY



Datalogic Self-Shopping Solution

With over **20 years of expertise in self-shopping**, Datalogic offers a **complete 360° solution** — hardware, software, and services — designed to deliver a **seamless, future-proof shopping experience**.
Our **fully modular approach** ensures retailers get a single, trusted partner for all their self-shopping needs.

Datalogic Joya Smart Family: Smart, Seamless, Reliable.



The Retailer challenge

Retailers need a **modern, future-proof self-shopping solution** that **boosts revenue, reduces in-store losses**, and keeps costs sustainable. They also want a **competitive alternative** to the dominant hardware offerings—**all from a single trusted partner.**



The solution: Joya Smart Family

The **Joya Smart Family** empowers retailers to **boost efficiency, reduce shrink**, and deliver a **seamless shopping experience.**
Part of Datalogic's **360° modular solution**, it combines **AI-driven loss prevention, future-proof hardware**, and **smart device management**—all built to last.



Datalogic Smart Portal

Datalogic Smart Portal is a **multi-purpose interactive kiosk** that **simplifies** the **shopping journey** through seamless self-service applications in one sleek device. It also extends its value **beyond retail**, enabling efficient check-in, information access, and service management in **hospitality and healthcare environments**.


DATALOGIC
EasyShop
Items
Discount
Total
REMOVE ITEM

JOYA SMART FAMILY



Designed to Lead, Built to Last

Designed for long-lasting performance in modern retail environments, the rugged IP54-rated body ensures resistance to dust and water splashes, making it ideal for both demanding in-store operations and use outside the retail environment as well.



Maximize your investment with Joya Smart

Wireless charging on both cradles and devices minimizes downtime, reducing total cost of ownership while keeping self-shopping running smoothly. Customers will enjoy industry-leading comprehensive hardware and long-term software support, with continuous updates and access to cutting-edge tools from our **Datalogic Mobility Suite**.



Smart Shopping, Sustainable Future

Datalogic's latest solution is designed to reduce waste and energy consumption, enabling retailers to set up the system without modifying existing walls. Devices and accessories are made with recycled materials and delivered in recyclable packaging. Easy to repair and energy-efficient, it's the smart choice for retailers who care about performance and the planet.

JOYA SMART



Other Joya Smart & Smart Plus features

INDOOR LOCALIZATION

WIRELESS CHARGING

MOBILITY SUITE

+12 h

BATTERY

JOYA SMART+



The World's First on-device shopping guard. Catches mismatched scans with AI

The world's first self-scanning device designed to actively address in-store **Loss Prevention** ensures a smoother shopping experience for a **safer store environment**, reduced **operational stress** for staff, and greater overall **efficiency at checkout**. The **AI-powered rear-camera** that monitors the cart in real time, the system detects potential loss situations, helping retailers reduce shrinkage, missed scans, or operational errors.



Shopping has never been so effortless and immersive

Experience unparalleled immersive self-shopping journey thanks to **GS1 Digital Link support**, providing access **to rich, real-time product details**. Joya Smart+ ensures maximum speed and convenience with **Auto-scan mode** for hands-free shopping. Wi-Fi 6E and no-infrastructure indoor localization, guide shoppers seamlessly through the store.



Fast checkout with Joya Smart+

Joya Smart+ makes shopping **fast and intuitive**, with usability **like a smartphone**. Its display and interface ensure a seamless experience anyone masters instantly. It starts with a cradle release via loyalty card; best-in-class barcode reading is paired with feedback from **Datalogic's Green Spot**. Finally, integrated **NFC** allows **tap-to-pay directly on the device**, accelerating the checkout process.



CONTACTLESS PAYMENT

SUSTAINABILITY

WIFI 6E CERTIFIED

Qualcomm QCM4490

EASE OF CARE

DATALOGIC SMART PORTAL



Other Datalogic Smart Portal features

NFC READER

GREEN SPOT

PoE or DC INPUT

CHEMICAL CLEANINGS RESISTANCE

Wi Fi 6E CERTIFIED



Total flexibility for any environment and application

The Smart Portal adapts seamlessly to retail, hospitality, and healthcare environments. VESA 75 mounting allows installation on walls or furniture without altering the space. Flexible power options—PoE or a standard outlet—make deployment effortless in any setting.



Smart Welcoming: Access & Service Excellence

The Smart Portal transforms guest and patient reception into a fast, seamless self-service experience. From quick check-ins to instant access to information, it reduces staff workload and improves efficiency across hospitality and healthcare.



Accessibility and a welcoming experience without compromise

Its sleek design coupled with an 8.6" display, status LEDs, front audio, and intuitive graphics welcome users instantly and ensures accessible interaction. Immediate feedback for every action – visual and acoustic - builds trust and confidence from the very first touch.



Maximize your investment with Datalogic Smart Portal

With support up to Android 19, customers benefit from an industry-leading 4+4 years of comprehensive hardware and software support. Continuous updates and access to cutting-edge tools from the Datalogic Mobility Suite ensure the Smart Portal evolves with your business.



Powered by advanced connectivity and precision scanning

The Smart Portal accelerates the customer journey with Wi Fi 6E, Bluetooth 5.3, and NFC identification. The Datalogic Halogen™ DE2121 DL engine with Green Spot technology delivers fast, accurate reads of barcodes putting pricing, availability, and product details within reach.



Innovative solutions for a sustainable future

The Smart Portal and its accessories are built with recycled materials and delivered in recyclable packaging. Designed to reduce waste and energy consumption, it integrates seamlessly into any environment, with flexibility to mount anywhere.

Bluetooth 5.3

QCM4490

1m

SCAN RANGE

EoC

EASE OF CARE

DATALOGIC SHIELD

Powered by DATALOGIC MOBILITY SUITE

SOFTWARE & TOOLS



Shopevolution & Easy Shop

Shopevolution 8 platform offers real-time basket visibility, personalized promotions, and integration with e-commerce and Click & Collect. With built-in AI and machine learning, it helps retailers analyze behavior, optimize operations, enhance loyalty, and reduce shrinkage through advanced loss-prevention tools.

Datalogic has expanded its retail capabilities by acquiring **Datema Retail Solutions AB and its EasyShop platform**. EasyShop enables smartphone-based scanning with open APIs for smooth system integration, offering intuitive dashboards, customizable KPIs, and robust security controls to limit shrinkage. For consumers, it delivers a fast and frictionless shopping experience.





Smart Cart Mode

Enabling Smart Cart Mode activates Shop Guard, the first AI-driven loss prevention algorithm for self-scanning devices. By leveraging an AI-powered rear camera, Joya Smart & Smart+ monitors the shopping cart, detecting unscanned items in real time. This innovation not only reduces inventory losses but also speeds up checkout, ensuring a frictionless and secure shopping experience for every customer.



MOBILITYSUITE

Datalogic Mobility Suite is a complete software ecosystem for Datalogic Android devices, designed to boost productivity and simplify operations. It provides tools to manage, configure, develop, and secure devices efficiently.

Solutions like Shield, Integrity Kit, Datalogic Launcher, and Enterprise Browser protect devices from vulnerabilities and unauthorized use. Scan2Deploy Studio and OEM Config enable fast, consistent deployment, while the Datalogic SDK and Visual Formatter low-code platform support custom app development.

Productivity tools like SoftSpot, QuickBoard, Aladdin, and Snap OCR improve device interaction, and monitoring features optimize connectivity and battery life. With Datalogic Mobility Suite, organizations can maximize ROI while keeping operations secure and seamless.

DATALOGICCONNECT

Datalogic Connect is a next-generation IoT cloud platform that lets organizations remotely manage, control, and gain insights from all their Datalogic devices. Designed to optimize performance, reduce downtime, and ensure compliance, it provides a central hub for fleet management—whether for dozens or thousands of devices worldwide.

Key Benefits:

- **Visibility**
  Track location, connectivity, battery, usage, and system logs in real time.
- **Configuration**
  Deploy firmware, customize scan settings, and control Mobility Suite tools remotely
- **Intelligence**
  Predict maintenance, detect anomalies, optimize workflows, and extend device life

With Datalogic Connect, organizations can protect investments, reduce costs, and make operations more efficient.

SUSTAINABILITY

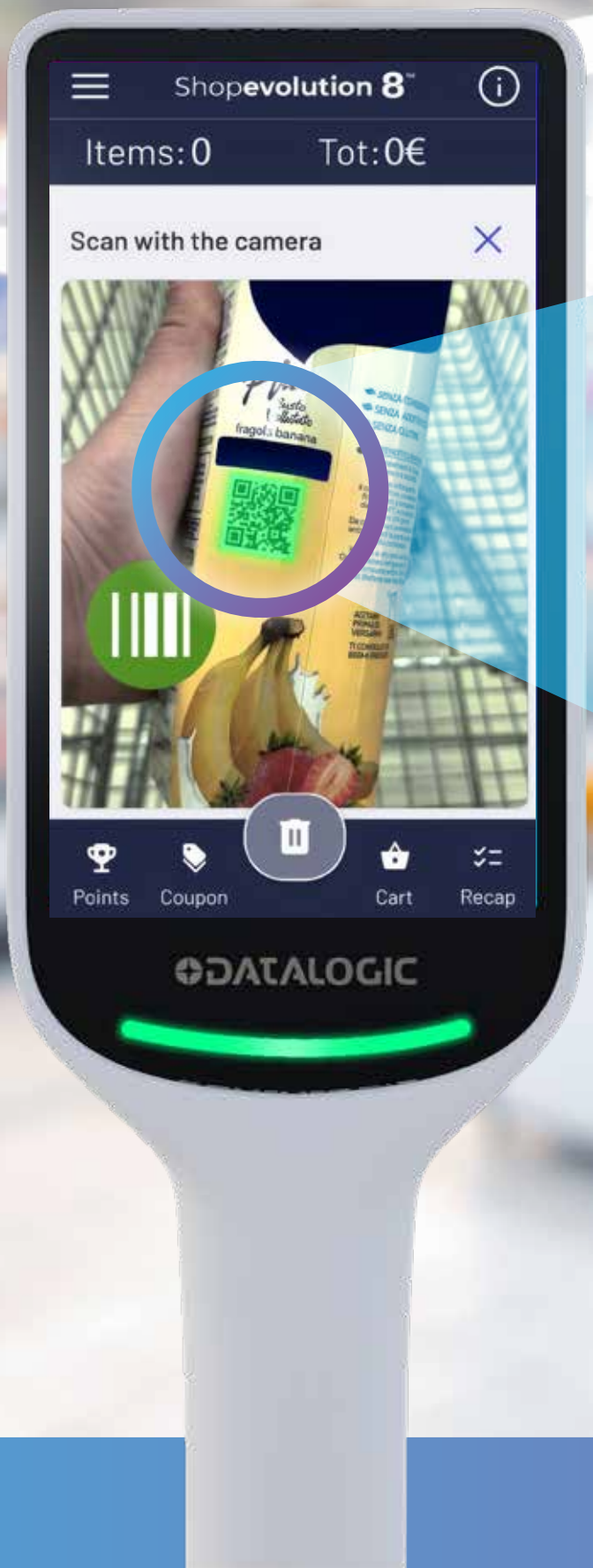


Datalogic continually improves its environmental performance taking proactive measures to minimize its environmental footprint.

- Reduce CO2 footprint on product level
- Make product packaging smaller saving CO2 during transportation
- Polybags with recycled materials
- Usage of recycled material for packaging (FSC carton boxes)
- Easy to repair device – only one tool to change battery
- Recycled plastic on device
- Recycled plastic on 3 slot cradle
- Recharge 3 3-Slot dock cradle with one power supply
- Remove the old cradle and fit the new one!
  No need to change existing wall

UNLOCKING SMART RETAIL WITH GS1 DIGITAL LINK

By **scanning** a **GS1 Digital Link with new Joya,** shoppers access **real-time product details**, promotions, and rich content—enhancing transparency, engagement, and the overall shopping experience.



DATALOGIC



- Traceability
- Digital product passport
- Returns management
- Waste reduction
- Sustainability & recycling
- Autenthication
- Inventory management
- Recipes & inspiration
- Health & nutrition
- Brand & product information
- Regulation & legislation
- Offers & promotions
- Allergens & ingredients

TECHNICAL SPECIFICATIONS

JOYA SMART+

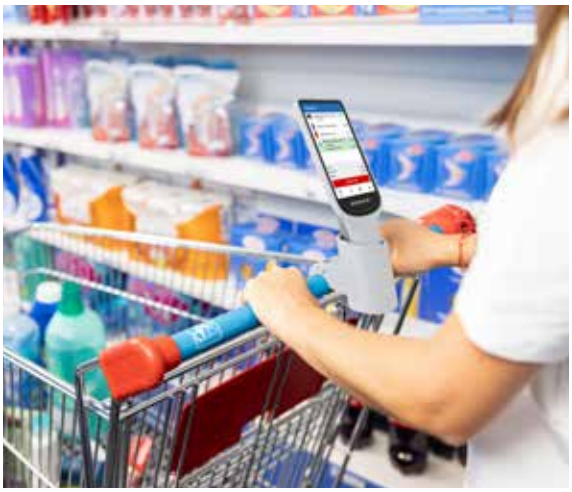


JOYA SMART









Industry - Applications

- **Retail:** Grocery stores; super and hyper markets; Do-it-Yourself stores, Large hardware stores; Department stores, Cash-and-Carry stores.
- **Shopper Applications:** Self-Shopping, Frictionless self-checkout, Product information, Price checking, Product availability, Loyalty point look up, Dynamic couponing.
- **Store Associate Applications:** Online order click and collect picking, Shelf replenishment, Store inventory, Assisted sales, Markdowns/markups, Stock lookups, Queue busting with mPOS, inventory management.

WIRELESS COMMUNICATIONS

Local Area Network (WLAN)	Wi-Fi 6e IEEE 802.11 a/b/g/n/ac/ax and 802.11 d/e/h/i/k/r/v/w/mc; Frequency range: Country dependent, typically 2.4 GHz,5 GHz and 6 GHz bands; 2x2 MIMO; WPA3 Enterprise 192-bit mode supported
Personal Area Network (WPAN)	Bluetooth wireless technology v5.3 (Classic Bluetooth wireless technology and BLE)
NFC Communication	Support for the following standards: Tag types 2/3/4/5 (ISO14443-4 A/B; ISO15693; Mifare; Felica) Card emulator. Contactless payments and Apple ECP protocol supported. EMVCo RR PCD Level 1 Certified; Strongbox Secure Element

ELECTRICAL

Battery	Replaceable battery pack with rechargeable Li-Ion Battery 3,500 mAh capacity
Wireless Charging	WPC Qi EPP compliant; 10W charging

ENVIRONMENTAL

Drop Resistance	Multiple 1.3/4ft drops to concrete across operative temperature without rubber boot per enterprise standard according to MIL STD 810H. Multiple 1.5m/6ft drops to concrete over operating temp (-10°C to 50°C/14°F to 122°F) with rubber boot according to MIL STD 810H.
Tumbles	1000 0,5m/1.6 ft tumbles at room temperature without protective boot, meets and exceed IEC 60068-2-32 Procedure 2 specification. 500 1m/3.2 ft tumbles at room temperature with rubber boot, meets and exceed IEC 60068-2-32 Procedure 2 specification.
Sealing	IP54
Chemical Resistance	General purpose chemical cleansers: Chemical agents against which the device is resistant; sopropyl alcohol 70% (IPA) / Alcohol Wipes 70% Glassex with ammonia / Formula 409® Glass and Surface Cleaner Glassex with ammonia / Windex® Water solution of Sodium Hypochlorite 0,8% / Clorox® Bleach Ethyl alcohol 70% Hydrogen peroxide 3%
Temperature	Operating: -10 to 50 °C / 14 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F
ESD	15kV air discharge / 8kV contact discharge

PHYSICAL CHARACTERISTICS

Dimensions	214 mm x 77.8 mm x 104 mm / 8.42 in. x 3.06 in. x 4.09 in.
Weight	With Battery: 303g/ 10.68 oz.
Primary Display	5 inch color HD (1280x720); optically bonded to touch panel glass; 450 NITS
Keys	Physical Keys: 1 scan trigger
Touch Panel	Touch Screen: 5 points multi-touch capacitive panel with Gorilla Glass 3 and optical bonding; Support for gloves and stylus; water drops rejection and antifingerprint surface finishing

READING PERFORMANCE

Camera	**Rear Camera:** Resolution: 13 megapixel; Auto focus **Illumination:** User controllable LED flash (torch mode);
Scan Engine	**Halogen™ DE2121-DL 1D/2D** scan engine; **Datalogic's 'Green Spot'** for good-read feedback;

SENSORS

Vibration	Software programmable for duration and intensity
Accelerometer	3-Axis accelerometer to detect orientation
Gyroscope	Senses angular velocity
Magnetometer	e-compass for direction and orientation detection
Barometer	Atmospheric pressure / Z-location
ToF	Time of Flight

LOCATIONING

Indoor locationing	Integrated IMU sensors compatible with third party indoor locationing software solutions

INTERFACES

Interfaces	High Speed USB 2.0 (Type-C) for device maintenance

AUDIO

Microphones	1x mic
Loudspeaker	1x speakers 0,8W (1W short term) and 92dBA

SAFETY & REGULATORY

Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use.
Environmental Compliance	Complies to EU RoHS

SOFTWARE

DATALOGIC MOBILITY SUITE - Discover more on: datalogic.github.io

Protection	Shield - Android Security Updates; Launcher - to lockdown device to kiosk mode; Entreprise Browser - to web-browse only to a set of approved URLs; Integrity KIT - to safeguard HW interfaces
Configuration	Scan2Deploy Studio - to configure and stage device, OEMConfig - for UEM/EMM Compatibility, AE QR Code Enrollment - for easy EMM/UEM enrollment
Development	SDKs (Java, Kotlin, Xamarin, .NET MAUI JavaScript), Visual Formatter - a no-code platform for barcode formatting, Wedge - a configurable barcode scanning input method
Optimization	SoftSpot - a draggable touch scanner trigger; Logger - to collect advanced device events log; Wi-Fi Guard - to collect Wi-Fi data and statistics; Battery Manager to select from different charging policies; Snap OCR - Rear or scanner camera digitizes text, streamlining data entry and label parsing
Additional Features	
Self-Shopping software	Compatible with Self-Shopping software from all major retailers and ISVs. Seamless integration with Datalogic's Shopevolution™ and EasyShop software platforms.
Provisioning	Android Zero-Touch, Android Enterprise QR Code, NFC Bump, EMM Token, DPC Identifier enrollment
UEM/EMM	SOTI MobiControl, VMWare Workspace One, Microsoft intune, 42Gears Sure MDM, Ivanti Neurons, and any OEM Config compliant UEM/EMM

SYSTEM

Memory	6 GB RAM / 64 GB Flash Storage
Microprocessor	Qualcomm QCS4490 Kryo Octa-core 2.4 GHz
Operating System	Android 15, upgradeable up to Android 19
Real-Time Clock	Time and date stamping under software control

WARRANTY

Warranty	1-Year Factory Warranty Additional Datalogic EaseofCare services available

ACCESSORIES



- 94A150148 - Joya Smart & Smart+ 3 SSD



- 94A150138 Joya Smart & Smart+ 3 SSD



- 94A150149 - 94A150150 Joya Smart & Smart+ SSD w/locking



- 94A150139 - 94A150140 Joya Smart & Smart+ SSD w/locking



- 94ACC0427 Trolley Holder



- 94ACC0428 - 94ACC0429 - 94ACC0430 *3 SSD Wall Bracket kits



- 94ACC0432 Belt Holster



- 94ACC0463, 94ACC0434 Screen protector



- 94ACC0433 Battery



- 91ACC0045, 94ACC0462 Key for cradle



- 94ACC0461, 94ACC0431 Rubber boot

Existing accessories shared with Memor 30-35 or Memor 12-17

- 94ACC0380 Power Supply, for Charging Docks
- 95A051041 Power Cord, Europe
- 91ACC0049 Daisy chain connector (5 pieces)
- 91ACC0045 Memor 1 / Joya Touch Cradle/Dock Unlock Key (5 pcs)
- 95ACC1113 Power Cord, NA
- 95ACC1212 Power Cord, Japan
- 95ACC1213 Power Cord, UK
- 95ACC1215 Power Cord, Australia
- 94ACC0383 Power Wall Adapter with 4 regional plugs – USB A
- 94ACC0327 USB-A to USB C cable / 1.2m long

TECHNICAL SPECIFICATIONS

SMARTPORTAL







Industry - Applications

- **Retail front of Store:** Shopper self-service, Merchandising and digital signage, Assisted shopping and selling, Workforce management, Product comparison, Full screen how-to videos and product demonstrations, Price checking, Loyalty/rewards program integration, Guided selling tool, Call for assistance
- **Hospitality:** Hotel room guest portal, Check-in of guest, Electronic concierge, Scheduling
- **Healthcare:** Patient check-in, Prescription tracking, Patient care (bedside)

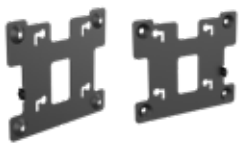


WIRELESS COMMUNICATIONS	
Local Area Network (WLAN)	Local Area Network (WLAN) Wi-Fi 6e IEEE 802.11 a/b/g/n/ac/ax and 802.11 d/e/h/i/k/r/v/w/mc; Frequency range: Country dependent, typically 2.4 GHz,5 GHz and 6 GHz bands; 2x2 MIMO; WPA3 Enterprise 192-bit mode supported
Personal Area Network (WPAN)	Bluetooth wireless technology v5.3 (Classic Bluetooth wireless technology and BLE)
NFC Communication	Support for the following standards: Tag types 2/3/4/5 (ISO14443-4 A/B; ISO15693; Mifare; Felica)
ELECTRICAL	
Power	PoE power source that supports EEE 802.3at (PoE+/Type 2); DC port with Power Supply
ENVIRONMENTAL	
Chemical Resistance	General purpose chemical cleansers: Chemical agents against which the device is resistant; sopropyl alcohol 70% (IPA) / Alcohol Wipes 70% Glassex with ammonia / Formula 409® Glass and Surface Cleaner Glassex with ammonia / Windex® Water solution of Sodium Hypochlorite 0,8% / Clorox® Bleach Ethyl alcohol 70% Hydrogen peroxide 3%
Temperature	Operating: 0 to 40 °C / 32 to 104 °F Storage/Transport: -30 to 70 °C / -22 to 158 °F
Humidity	5% to 95% non-condensing, across the operating temperature range
ESD	15kV air discharge / 8kV contact discharge
PHYSICAL CHARACTERISTICS	
Dimensions	227 mm x 164,5 mm x 32 mm / 8.93 in. x 6.47 in. x 1.26 in.
Weight	638g/ 22.5 oz.
Primary Display	8,6 inch color HD (1340x800); 16:10; 450 NITS
Keys	Physical Keys: 1 power ON/OFF, volume physical keys (up/down), Reset button
Touch Panel	Touch Screen: 5 points multi-touch capacitive panel and optical bonding; Support for gloves and stylus; water drops rejection and antifingerprint surface finishing
Led	Light guide LED around scan engine for good read feedback; LED backlight

READING PERFORMANCE	
Camera	Front Camera: Resolution: 5 megapixel
Scan Engine	**Halogen™ DE2121-DL 1D/2D** scan engine; **Datalogic's 'Green Spot'** for good-read feedback
SENSORS	
ToF	Time of Flight
INTERFACES	
Interfaces	USB host: 1 USB-C and 1 USB-A ports (both USB 2.0) for accessory USB OTG: 1 USB-C OTG Ethernet Gigabit compatible: RJ45
AUDIO	
Microphones	2x mic
Loudspeaker	2x speakers 1.3W (1.5W short term) and 90dBA
Headset	Headset through BT
SAFETY & REGULATORY	
Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use.
Environmental Compliance	Complies to EU RoHS
SOFTWARE	
DATALOGIC MOBILITY SUITE - Discover more on: datalogic.github.io	
Protection	Shield - Android Security Updates. Launcher - to lockdown device to kiosk mode. Enterprise Browser – for secure browsing. Integrity KIT - to safeguard HW interfaces.
Configuration	Scan2Deploy - configure, stage and enroll device. OEMConfig - for UEM/EMM compatibility. AE QR Generator - for easy EMM/UEM enrollment. Wi-Fi QR Generator – Enroll device with Wi-Fi network.
Development	SDKs (Java, Kotlin, Xamarin, .NET, MAUI, JavaScript). Visual Formatter – visually code flow for barcode formatting. Wedge - configurable barcode scanning input methods.
Optimization	Logger - collect advanced device events log. Wi-Fi Guard - collect Wi-Fi data and statistics. Snap OCR - digitizes text, streamlining data entry label parsing.
Empower	SoftSpot - draggable touch scanner trigger. QuickBoard – customizable on-screen virtual keyboard.
Additional Features	
Provisioning	Android Zero-Touch, Android Enterprise QR Code, NFC Bump, EMM Token, DPC Identifier enrollment
UEM/EMM	SOTI MobiControl, VMWare Workspace One, Microsoft Intune, 42Gears Sure MDM, Ivanti Neurons, Ivanti and any OEM Config compliant UEM/EMM, Terminal Emulator and PTT; Compatibility Highlight Ivanti Velocity, StayLinked Smart TE, Zello PTT
SYSTEM	
Memory	6 GB RAM / 128 GB Flash Storage
Microprocessor	Qualcomm QCx4490 Octa-core 2.4 GHz
Expansion Slots	Micro SD card (up to 2TB)
Operating System	Android 15, upgradeable to Android 19
Real-Time Clock	Time and date stamping under software control
WARRANTY	
Warranty	1-Year Factory Warranty

ACCESSORIES

Brackets



- 94ACC0464 Bracket W/O PWR Supply Supp



- 94ACC0465 Bracket W/ PWR Supply Supp

Miscellaneous

- 94ACC0197 Power Supply, Memor 10, Memor K & DM88, Smart Portal
- 94ACC0466 USB A-C, black 1-meter USB 2.0
- 94ACC0467 USB C-C, black 1-meter USB 2.0
- 94ACC0468 PoE ethernet cable
- 95A051041 Power Cord, Europe
- 95ACC1113 Power Cord, NA
- 95ACC1212 Power Cord, Japan
- 95ACC1213 Power Cord, UK
- 95ACC1215 Power Cord, Australia

DATALOGIC
EMPOWER YOUR VISION

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**SCAN FOR MORE INFO ABOUT
JOYA SMART & JOYA SMART PLUS**

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