JOYA™ X2

JOYA FOR SELF-SHOPPING
The Joya™ X2 device with 2D imaging technology is an easy to use pod that creates an exciting shopping experience for customers while providing lower operational costs, improved customer service and increased loyalty for retailers.

While shopping, customers can check the products they have scanned, access additional store offers, promotions and discounts, as well as an up-to-date total of their items to purchase. With Joya’s 2D imaging technology customers can also redeem coupons, either printed on paper or displayed on their smartphones or other mobile devices. Customers can bag items as they shop then pay at self-payment kiosks without having to wait in the checkout line or remove their bagged items from the cart.

JOYA GENERAL PURPOSE
Joya X2 devices also double as stand-alone General Purpose mobile computers, able to support a wide variety of applications outside of Self-Shopping, such as inventory management functions, queue-busting, or other uses requiring basic interactivity with a host system.

READING CAPABILITIES
The Joya X2 device employs 2D imaging technology and can read both 1D and 2D codes from standard labels, smartphone displays and electronic shelf labels (ESL). Bar code reading is further enhanced by Datalogic’s patented ‘Green Spot’ technology for visual good-read feedback, perfect for noisy environments.

CUSTOMIZABLE FOR YOUR ENTERPRISE OR BRAND
Datalogic’s line of Joya products allows companies to combine attractive custom covers and logos to enhance the brand experience for their customers. It’s easy to integrate these exciting devices into third party software applications as well as Datalogic’s innovative Shopevolution™ middleware for use in Self-Shopping.

FEATURES
- Available with different sets of features:
  - BASIC (no Touch Screen, Wi-Fi only)
  - PLUS (Touch Screen, additional Flash memory with onboard Flash and SD card, Wi-Fi + Bluetooth)
- Available in different configurations with a dedicated keyboard layout and device settings
  - Self-Shopping device (BASIC or PLUS features)
  - General Purpose mobile computer (PLUS features only)
- 2D Imaging technology
- Backlit color graphic display
  (Touch Screen with Joya X2 PLUS only)
- 6 Fully programmable keys available
- Quality polyphonic sound
- Datalogic’s patented ‘Green Spot’ technology
- Wi-Fi, Bluetooth® and USB connectivity
- 4 GB Additional Flash memory on SD card
  (Joya X2 PLUS Self-Shopping and Joya X2 PLUS General Purpose)
- Microsoft® Windows CE Operating System
- Attractive, customizable covers
- Bumpers and keypads available in standard colors on request (Blue, Green, Red, Orange)
- Wavelink Avalanche® device management available on selected devices
- EASEOFCREASE Service Plans available

INDUSTRY-APPLICATIONS
- Retail
- Self-Shopping
- Queue-busting
- Inventory
**TECHNICAL SPECIFICATIONS**

**WIRELESS COMMUNICATIONS**
- **LOCAL AREA NETWORK (WLAN)** IEEE 802.11 b/g/n; Wi-Fi Security Standards, WEP, WPA, WPA2, Cisco CCX v4 compatible Bluetooth®-wireless technology
- **PERSONAL AREA NETWORK (WPAN)** Bluetooth® wireless technology IEEE 802.15

**DECODING CAPABILITY**
- **1D / LINEAR CODES** Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes
- **2D CODES** Aztec Code, Data Matrix, MaxiCode, Micro QR Code, QR Code
- **POSTAL CODES** USPS Intelligent Mail, Royal Mail
- **STACKED CODES** GS1 DataBar Composites, EAN UPC Composites, GS1 DataBar Expanded Stacked, GS1 DataBar Stacked, MicroPDF417, PDF417

**ELECTRICAL**
- **BATTERY** Replaceable battery pack with rechargeable Li-Ion batteries; 3.7 V; 2,300 mAh (8.51 Watt-hours)

**ENVIRONMENTAL**
- **DROP RESISTANCE** Withstands drops from 1.2 m / 4.0 ft onto concrete
- **TEMPERATURE** Operating: 0 to 40 ºC / 32 to 104 ºF

**INTERFACES**
- **INTERFACES** USB 1.1 Client (with standard Micro-USB connector)

**PHYSICAL CHARACTERISTICS**
- **BUMPER** Top and bottom rubber bumpers (lighting on top bumper)
- **BUMPER COLORS AVAILABLE** Blue, Green, Red, Orange
- **DIMENSIONS** 14.9 x 7.3 x 4.4 cm / 5.8 x 2.8 x 1.7 in
- **DISPLAY** TFT-LCD color display; QVGA: 320 x 240 pixels; 2.8 in diagonal; 65k colors
- **KEYBOARD** 6 Fully programmable keys available in standard colors: Blue, Green, Red, Orange
- **TOP COVER** In-mould decorated plastic cover (custom colors and logo options are available)
- **WEIGHT** With battery: 255.0 g / 9.0 oz

**READING PERFORMANCE**
- **DEPTH OF FIELD** 3.5 to 50.0 cm / 1.3 to 19.6 in, depending on bar code density
- **READING INDICATORS** Beeper (Polyphonic audio codec); Datalogic’s patented ‘Green Spot’ technology for good-read feedback

**SAFETY & REGULATORY**
- **AGENCY APPROVALS** The product meets necessary safety and regulatory approvals for its intended use.
- **ENVIRONMENTAL COMPLIANCE** Complies to EU RoHS

**SOFTWARE**
- **APPLICATIONS** Datalogic’s Pal Application Library pre-licensed (Joya X2 PLUS General Purpose only)
- **CONFIGURATION AND MAINTENANCE** Wavelink Avalanche® device management pre-licensed (Joya X2 PLUS General Purpose only - available upon request on Joya X2 Self-Shopping); Datalogic Firmware Utility (DFU); Datalogic Desktop Utility (DDU); Datalogic Configuration Utility (DCU)
- **DEVELOPMENT** SDK Suite (C/C++, .NET)

**SYSTEM**
- **MEMORY** Joya X2 BASIC (Self-Shopping): System RAM: 256 MB; System Flash: 128 MB Flash Disc; Joya X2 PLUS (Self-Shopping): System RAM: 256 MB; System Flash: 1 GB Flash Disc; Joya X2 PLUS (General Purpose): System RAM: 256 MB; System Flash: 1 GB Flash Disc
- **MICROPROCESSOR** XScale™ PXA310 @ 624 MHz; 32 bit
- **OPERATING SYSTEM** Microsoft Windows CE 6.0 Core (Microsoft Windows CE 6.0 Professional available upon request)

**WARRANTY**
- **WARRANTY** 1-Year Factory Warranty

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**ACCESSORIES**
- **911300129** Cradle Dispenser with 3 slots, Rel. 2
- **914CC1056** Trolley Holder (60 pieces)
- **91ACC0034** Joya Single Slot Dock
- **91ACC1057** Checkout Holder (12 pockets)

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