JOYA™ X2

◇DATALOGIC

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
- EASEOFCARE Service Plans available

INDUSTRY-APPLICATIONS

- Retail
- Self-Shopping
- Queue-busting
- Inventory

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TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATIONS

LOCAL AREA NETWORK (WLAN)	IEEE 802.11 b/g/n; Wi-Fi Security Standards, WEP, WPA, TKIP, WPA2, Cisco CCX v4 compatible
PERSONAL AREA NETWORK (WPAN)	Bluetooth® wireless technology IEEE 802.15; Class 2 with EDR (on Joya X2 PLUS Self-Shopping and on Joya X2 PLUS General Purpose models)

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 °C / 32 to 104 °F

INTERFACES

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

PHYSICAL CHARACTERISTICS

BUMPERS	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	**Joya X2 BASIC (Self-Shopping):** TFT-LCD color display; QVGA: 320 x 240 pixels; 2.8 in diagonal; 65k colors **Joya X2 PLUS (Self-Shopping):** TFT-LCD color display; QVGA: 320 x 240 pixels; 2.8 in diagonal; 65k colors; Touch Screen **Joya X2 PLUS (General Purpose):** TFT-LCD color display; QVGA: 320 x 240 pixels; 2.8 in diagonal; 65k colors; Touch Screen
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 **Joya X2 BASIC (Self-Shopping):** System RAM: 256 MB; System Flash: 512 MB Flash Disc **Joya X2 PLUS (Self-Shopping):** System RAM: 256 MB; System Flash: 1 GB Flash Disc; 4 GB additional Flash on SD card **Joya X2 PLUS (General Purpose):** System RAM: 256 MB; System Flash: 1 GB Flash Disc; 4 GB additional Flash on SD card
MINIMUM RESOLUTION	Linear codes at 4 mils; 2D codes at 5 mils
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: 512 MB Flash Disc **Joya X2 PLUS (Self-Shopping):** System RAM: 256 MB; System Flash: 1 GB Flash Disc; 4 GB additional Flash on SD card **Joya X2 PLUS (General Purpose):** System RAM: 256 MB; System Flash: 1 GB Flash Disc; 4 GB additional Flash on SD card
MICROPROCESSOR	XScale™ PXA310 @ 624 MHz; 32 bit
OPERATING SYSTEM	**Joya X2 BASIC (Self-Shopping):** Microsoft Windows CE 6.0 Core (Microsoft Windows CE 6.0 Professional available upon request) **Joya X2 PLUS (Self-Shopping):** Microsoft Windows CE 6.0 Core (Microsoft Windows CE 6.0 Professional available upon request) **Joya X2 PLUS (General Purpose):** Microsoft Windows CE 6.0 Professional

WARRANTY

WARRANTY	1-Year Factory Warranty

ACCESSORIES

Cradles and Holders

▪ 911300129
Cradle Dispenser with 3 slots, Rel. 2

▪ 91ACC1056
Trolley Holder (60 pieces)

▪ 91ACC1057
Checkout Holder
(12 pockets)

▪ 91ACC0034
Joya Single Slot Dock