

# JOYA™ TOUCH

**DATALOGIC**  
EMPOWER YOUR VISION



## JOYA™ TOUCH IS THE MULTI-PURPOSE DEVICE FOR RETAIL

Joya Touch is the multi-purpose device for use throughout retail that optimizes your ROI. The Joya Touch device is designed for use in Self-Shopping, Shop Floor, Access Control and more.

## MULTIPLE DEVICES IN ONE

The Joya Touch device comes in two form factors: a hand held version resembling a smartphone and a pistol-grip version with a comfortable trigger. Joya Touch can be easily customized in several ways: upper case, front logo, battery cover and screen protector, both in colors and themes. This allows the retailer to choose either their corporate branding or other co-marketing logos.

## WIRELESS CHARGING CRADLE

The Joya Touch device is charged using the industry's first wireless charging technology that eliminates the need for cleaning the contacts on the device and cradles. It radically reduces support costs and increases its life span.

The multi-bay cradle supports both handheld and pistol-grip models of the Joya Touch, ensuring the right configuration for every user/application. The retailer can choose between high density and front facing display installation, providing maximum flexibility.

## USER INTERFACE

The user interface features a large touchscreen display along with Datalogic SoftSpot™ technology which allows users to choose the position of the soft trigger on the display.

## BOOST AND FAST CHARGING

The Joya Touch device requires only 2.5 hours to recharge and the 'boost recharge' feature ensures 80 minutes of use after only 15 minutes of charging!

## BLUETOOTH® WIRELESS TECHNOLOGY V4.0 - BLE AND BEACONS

The Joya Touch device supports Beacon technology for in-store localization. Bluetooth wireless technology and BLE can also be used to connect a wide range of peripherals such as printers, RFID readers, or other BT serial profile devices.

## FEATURES

- Multi-purpose device: hand held or pistol-grip
- Wireless charging and high versatility cradle
- Boost and fast recharging
- Datalogic SoftSpot technology for innovative triggering through touch display
- 3-Axis Accelerometer detects changes in screen orientation
- 4.3 inch FWVGA and QVGA display
- Vibration feature informs users about upcoming events, discounts, promotional offers, etc.
- Fully supports Datalogic's self-shopping middleware 'Shopevolution' or third-party software
- Supports Datalogic's Queue-busting app
- The speaker informs users about upcoming promotions and sales, discounts, etc.
- Beacon support via BLE for geolocalization
- 2D imaging technology
- Datalogic's patented 'Green Spot' technology for visual good-read feedback
- USB connectivity
- Anti-theft Buzzer to protect the Joya units from leaving the premises
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI.

## INDUSTRY - APPLICATION

- Retail:
  - Self- Shopping
  - Queue-Busting
  - Inventory
  - Access Control
  - Gift Registry
  - Shop Floor Applications
  - Assisted Sales



# JOYA™ TOUCH

## TECHNICAL SPECIFICATIONS

### WIRELESS COMMUNICATIONS

<b>Local Area Network (WLAN)</b>	IEEE 802.11 a/b/g/n; Wi-Fi Security Standards, WEP, WPA, WPA2, TKIP, AES, PSK, Cisco CCX v4 compatible
<b>Personal Area Network (WPAN)</b>	Bluetooth wireless technology v4.0 - Dual Mode (Classic Bluetooth wireless technology and BLE available on Plus models)
<b>NFC Communication</b>	NFC communication between device and cradle

### DECODING CAPABILITY

<b>1D / Linear Codes</b>	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
<b>2D Codes</b>	Aztec Code, Data Matrix, MaxiCode, QR Code, UPU FICS, USPS Intelligent Mail
<b>Postal Codes</b>	Australian Post, Japan Post, KIX Code, PLANET, POSTNET, Royal Mail Code (RM4SCC)
<b>Stacked Codes</b>	Micro-PDF417, PDF417, GS1 DataBar Composites, GS1 DataBar Expanded Stacked, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional

### ELECTRICAL

<b>Battery</b>	Replaceable battery pack with rechargeable Li-Ion batteries; 3.7v; 3,000 mAh (12 Watt-hours)
<b>Wireless Charging</b>	2 charging options: Fast Charging or Standard Charging

### ENVIRONMENTAL

<b>Drop Resistance</b>	Withstands repeated drops from 1.2 m / 4.0 ft onto concrete
<b>Temperature</b>	Operating: -10 to 50 °C / 14 to 122 °F

### INTERFACES

<b>Interfaces</b>	USB 2.0 Client (with standard Micro-USB connector)
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### USER INTERFACES

<b>Vibration</b>	Software programmable (Plus models)
<b>Accelerometer</b>	3-Axis accelerometer
<b>SoftSpot™ Technology</b>	Virtual trigger/scan key
<b>Trigger</b>	Pistol-grip models only

### PHYSICAL CHARACTERISTICS

<b>Color Customization</b>	Top case and battery covers (both hand held and pistol-grip models) and Scan Trigger (pistol-grip models) are available in various standard colors
<b>Colors (Standard)</b>	Blue, Red, Green, Orange, Yellow, Grey
<b>Display</b>	4.3 inch full touch TFT-LCD color display; FWVGA: 854 x 480 pixels; 16M colors, LED backlight
<b>Touch Screen</b>	Capacitive, multi-touch, Gorilla® Glass 3
<b>Physical Keys</b>	<b>Hand held:</b> Home fully programmable key <b>Pistol-Grip:</b> Home fully programmable key, Scan Trigger key
<b>Lighting</b>	Software programmable, lights at the bottom of the battery cover
<b>Dimensions</b>	<b>Hand held:</b> 14.5 x 7.67 x 3.38 cm / 5.7 x 3 x 1.33 in <b>Pistol-Grip:</b> 14.5 x 7.67 x 11.6 cm / 5.7 x 3 x 4.56 in
<b>Weight (with Battery)</b>	<b>Hand held:</b> 275 g / 9.7 oz <b>Pistol-Grip:</b> 305 g / 10.7 oz

### READING PERFORMANCE

<b>Depth of Field</b>	4.3 to 35.0 cm / 1.7 to 13.8 in, depending on bar code density
<b>Minimum Resolution</b>	Linear codes at 4 mils; 2D codes at 5 mils
<b>Reading Indicators</b>	Loudspeaker (Polyphonic); buzzer; Datalogic's patented 'Green Spot' technology for visual good-read feedback

### SAFETY & REGULATORY

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

### SOFTWARE

<b>Configuration and Maintenance</b>	Datalogic Configuration Utility (DCU) Datalogic Firmware Utility (DFU) Datalogic Joya Touch Staging
<b>Development</b>	SDK Suite available upon request

### SYSTEM

<b>Memory</b>	<b>Joya Touch Basic:</b> System RAM: 512 MB; System Flash: 512 MB Flash Disk <b>Joya Touch Plus:</b> System RAM: 512 MB; System Flash: 1 GB Flash Disk;
<b>Microprocessor</b>	XScale™ PXA310 @ 806 MHz; 32 bit
<b>Operating System</b>	Microsoft Windows Embedded Compact 7 Professional

### WARRANTY

<b>Warranty</b>	1-Year Factory Warranty
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Caution: Laser Radiation - do not stare into beam

## ACCESSORIES

### Cradles and Holders



91ACC0043 3-Slot  
Cradle-Wall Mount



91ACC0069 3-Slot  
Cradle-General Purpose



91ACC0047  
Trolley Holder (60 pcs)



91ACC0036  
Lanyard



91ACC0046  
Screen Protectors (5 pcs)