# iSirona®

## Multimodal Connectivity Solution

**Masimo®**

iSirona is a versatile, easy-to-use connectivity hub. Designed for use with the Masimo Hospital Automation™ platform, iSirona facilitates the integration of up to six medical devices at the patient bedside and enables the data collected from all devices to be automatically pushed to the electronic medical record (EMR).

> iSirona's compact and fan-less design makes it an ideal solution for connecting multiple patient monitors, anesthesia machines, pumps, and other medical device in space-restricted operating rooms and ICUs.

> Management of the extensive and ever-growing library of device drivers is available through the Masimo Hospital Automation platform.

> The Masimo Shuttle Cable is a device-agnostic connection option that complements the flexibility and versatility of iSirona.

> A built-in battery, combined with the ability to transmit data over a wired or wireless connection, supports mobile workflows.

> iSirona's multi-slotted mounting bracket adds flexibility, allowing it to be affixed to a permanent location or mounted to mobile medical devices—providing connectivity wherever it is needed.

> iSirona offers data security:

- Transport Layer Security (TLS) protocol is used for the authentication and encryption of communications.
- Open ID Connect, provided by the Masimo Hospital Automation platform, is used to standardize user authentication.

**Multiple USB ports for up to six medical devices**

**Fan-less design for use in operating rooms and ICUs**

**Versatile mounting options**

**Keep data flowing during transport**

## Do More with Patient Data

The Masimo Hospital Automation platform is a vendor-agnostic connectivity solution for EMR integration, surveillance monitoring and alarm management, mobile notifications, smart displays, and analytics.

**OR** ▶ **ICU** ▶ **GENERAL WARD** ▶ **GENERAL FLOOR** ▶ **IT / BIOMED**

## iSirona Specifications

### ORDERING INFORMATION

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|---|---|
| iSirona | PN 9987 |
| DCX* | PN 4830 |
| Shuttle | PN 4721 |

### PHYSICAL CHARACTERISTICS

Dimensions . . . . . . . . . . . . . . . . . 5.5 in x 3.9 in x 1.9 in  (139.5mm x 98.8mm x 47.2mm)
Dimensions (with mount) . . . . . . . . 5.5 in x 4.4 in x 2.1 in  (140.5mm x 110.7mm x 53.0mm)
Weight . . . . . . . . . . . . . . . . . . . 350g without battery (399g with battery)

### ENVIRONMENTAL

Operating Temperature . . . . . . . . . . . . . . . . . . . . . . . . . 41–104° F  (5– 40° C)
Atmospheric Pressure . . . . . . . . . . . . . . . . . . . . . . . . . . . 700–1060 hPa
Storage Temperature . . . . . . . . . . . . . . . . . . . . . . . . –13– 158° F  (–25– 70° C)
Humidity (non-condensing) . . . . . . . . . . . . . . . . . . . . . . . . . . 5–95%
Ingress Protection Rating . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . IP52

### HARDWARE

Display . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LCD - vertical viewing angle - 80°, horizontal viewing angle - 112°
Processor . . . . . . . . . . . . . . . . . . . . . . . . . . . . Quad-core ARM Cortex-A53 CPU, 1.8GHz
Memory (RAM) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 4GB
Storage . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 16GB
Battery . . . . . . . . . . . . . . . . . . . . . . . . . LiON 2050mAh, 3.7V (nominal); approx. 2 hour backup (depending on usage)

Power Supply . . . . . . . . . . . . . . . . . . . . . . . . . . . Input: 100-240VAC 50/60Hz, 0.65-.25A
Output: DC5V, 0.01-5.0A
PoE:  IEEE 802.3 Type 1, Class 3

### COMMUNICATIONS

Operating System and Management . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . iSironaOS
USB Ports . . . . . . . . . . . . . . . . . . . . . . 6 High Retention (15 Newtons) USB 2.0, Type A
Network . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 10-1000 Ethernet, 802.11a/b/g/n/ac, WPA2 EAP TLS, STA mode, BT, BLE

### CERTIFICATIONS

Standards . . . . . . . . . . . . EN/IEC 60601-1:2005; EN/IEC 60601-1:2005/AMD1:2012; EN/IEC 60601-1-2:2014; EN/IEC 60601-1-6:2010; EN/IEC 60601-1-6:2010/AMD1:2013; FCC Part 15 Class A; Radio Equipment Directive 2014/53/EU; RoHS Directive – 2011/65/EU

* DCX server version 5.16 is the minimum version required to support communication with the iSirona device.

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