



ZAO, a connected m-health device



October, 2012

What is ZAO? – patent pending



iOS

Can be controlled
Remotely



Wireless



Easily integrable



Scope of Sensaris' offer



Taking measures



Sending data
safely



Storing data



Healthcare
platform

sensaris

PARTNERS / CUSTOMERS

Sensaris procures a **high level of compatibility**:

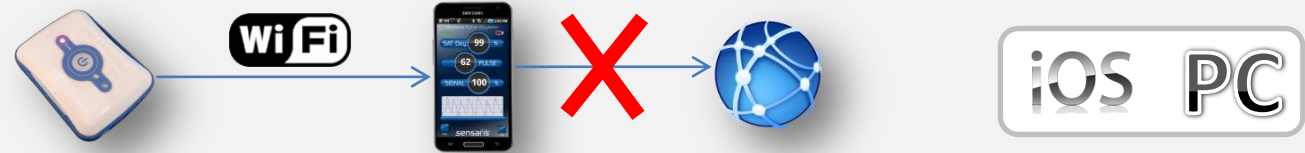
- Mobile phones (windows phones, RIM etc.)
 - Tablets
 - Computers (PC, Mac, Linux)
- to maximize service flexibility.

No hardware knowledge required.

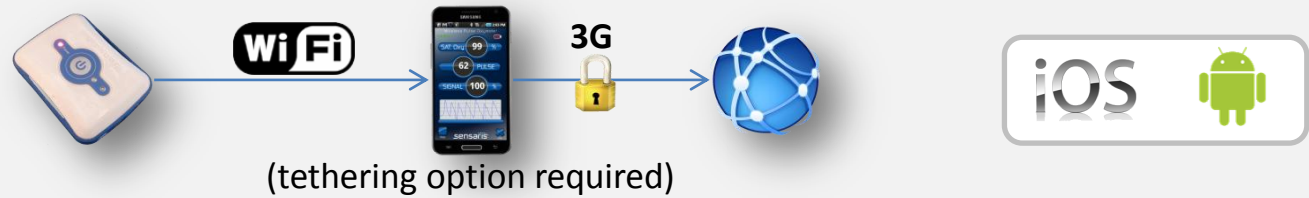
Data storing and **solution** tailoring is supported by the client (countries laws);
Sensaris doesn't **handle patients relationships**.

3 different modes

Ad Hoc:



Mobile Access Point:



Infrastructure:



Specifications



- ❑ Weight: 310g
- ❑ Dimensions: 94x42x139mm
- ❑ WiFi or Bluetooth 2.0 enabled
- ❑ Battery 3.7V lithium-ion via mini USB

- ❑ Supplied with its iOS and Android application
- ❑ Interoperability with existing health systems through IEEE 11073 data transcoding

Oximeter specifications

- **O₂ saturation activity:**

SpO2	Saturation
> 85%	± 1.5%
Between 75% and 85%	± 2%
Between 50% and 75%	± 3%

- **O₂ saturation range:** 0 to 100%
- **Pulse rate range:** 30 to 300 bpm ±2%
- **Quality range:** 0 to 100%

Finger or ear probe available

Blood pressure monitor specifications

	Adults (mmHg)	Neonates (mmHg)
pSYS	25 – 280	20 – 150
pDIA	10 – 220	5 – 110
pMAP	15 – 260	10 – 130
Overpressure limits	300	150
Shutdown and pressure release after exceeding	330	165

- **Measurement Accuracy:**
 - Mean deviation within ± 5 mmHg,
 - Standard deviation within 8 mmHg
- **Resolution:** 1 mmHg
- **Pressure range:** 0 to 300 mmHg
- **Heart rate range / accuracy:** 30 to 240 bpm / ± 2 bpm
- **Time required for BD measurement:** typical (normal) 20s