

# Beacons comparison



	Beacon Mini-RX/Beacon Mini-RX-Outdoor	Beacon Mini-TX/Beacon Mini-TX-Outdoor	Beacon Mini-TX batteryless	Beacon HW v4.9/Beacon HW v4.9 Outdoor	Industrial-TX/Industrial-TX-EX	Industrial-RX/Industrial-RX-EX
<b>Specialty and main use</b>	Universal, multi-frequency and high-sensitivity RX-only beacon	Small TX only beacon	The lightest TX only beacon	Universal dual-use beacon. Support of 433- or 915/868MHz bands	Heavy-duty outdoor/Explosion dangerous environment; RS485 or CAN	Heavy-duty outdoor/Explosion dangerous environment; RS485 or CAN
<b>Mode of operation</b>	RX only	TX only		Dual-use (RX and TX)	TX only	RX only
<b>Range</b>	- Up to 50m <sup>3</sup>	- Up to 30m with DSP RX v5.05 - Up to 20m with Beacon v4.9		- Up to 50m with DSP RX v5.05 <sup>3</sup> - Up to 30m with Beacon v4.9 <sup>3</sup>	- Up to 30m with Beacon-RX-915-XX	- Up to 30m with Beacon-TX-915-XX
<b>Ultrasonic frequencies</b>	- 19/25/31/45kHz - Several at the same time	- 31/45kHz - Only one HW defined frequency at the time		- 19/25/31/45kHz - Only one frequency at the time	- 19/25/31/45kHz	- 19/25/31/45kHz - Several at the same time
<b>Radio band</b>	915/868MHz	915/868MHz		915/868MHz or 433MHz	915/868MHz or 433MHz	915/868MHz or 433MHz
<b>Power/LiPol battery</b>	USB/750mAh	USB/250mAh	USB/No embedded battery	USB/1000mAh	+5V or 12V or IP67 converter/Optional	+5V or 12V or IP67 converter/Optional
<b>Environmental conditions</b>	- Indoor/Outdoor up to IP67 - t=0..40C <sup>6</sup>	- Indoor/Outdoor <sup>2</sup> - t=0..40C <sup>6</sup>	- Indoor - t=0..40C <sup>6</sup>	- Indoor/Outdoor <sup>2</sup> - t=0..40C <sup>6</sup>	- Outdoor <sup>2</sup> /Intrinsically Safe <sup>5</sup> - t=-20..40C <sup>6</sup>	- Outdoor <sup>2</sup> /Intrinsically Safe <sup>5</sup> - t=-20..40C <sup>6</sup>
<b>Size and weight</b>	47x42x15mm & 25g	35x35x26mm & 19g	35x35x20mm & 12g <sup>9</sup>	55x55x33(64 <sup>7</sup> )mm & 62/75g	83x58x65mm <sup>8</sup> & 250g	83x58x33mm <sup>8</sup> & 200g
<b>IMU (3D gyro+acc+mag)</b>	Yes (6D)	Yes (6D)	Yes (6D)	No/Yes 9D (for the version with IMU)	Yes (6D)	Yes (6D)
<b>Price</b>	99/129USD	89/129USD	89USD	69/99USD (w/o IMU) 89/119USD (with IMU)	149/189USD	149/189USD

- 1) Withstand submersion to water on 1m up to 30m (IPX7 requirements)
- 2) Mild outdoor: occasional rain, dust doesn't kill the device. Performance during this time is no guaranteed
- 3) 1D mode: RX4 to RX4 sensors; other sensors are disabled
- 4) Other power options available upon request
- 5) Exact type of certification shall be discussed separately

- 6) Temperature range down to -40C is available with external power supply only and upon request
- 7) With antenna
- 8) Sizes without mounting holes
- 9) 6.3g without housing