**Product summary**

**XPLR-AOA-2**

Bluetooth 5.1 indoor positioning explorer kit with NINA-B4

**Indoor positioning out of the box**

- Evaluation tool for Bluetooth 5.1 indoor positioning
- Includes four antenna boards and four tags
- High resolution positioning engine
- u-connectLocate software with optimized direction finding algorithm

**Performance**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle accuracy</td>
<td>5° mean error</td>
</tr>
<tr>
<td>Position accuracy</td>
<td>Around 1 meter (depending on anchor point deployment)</td>
</tr>
<tr>
<td>Update rate</td>
<td>40 updates per second</td>
</tr>
<tr>
<td>Number of tags</td>
<td>5</td>
</tr>
</tbody>
</table>

1 Valid for the initial release; future versions will have increased capacity.

**Features**

- Out-of-the-box indoor positioning explorer kit
- Antenna boards with array of 5 dual-polarized antennas
- Tags with Bluetooth transmitter
- u-connectLocate with embedded angle calculation
- 2-dimensional angle calculation
- 3-dimensional positioning calculation
- USB interface to connect to a PC or other host system

**Kit includes**

- Four C211 antenna boards with NINA-B411 module
- Four C209 tags with NINA-B406 module
- u-connectLocate direction finding software (from u-blox.com)
- C209 tag software example (from Github)
- Positioning engine software example to run on a PC

**Supported evaluation software**

- u-blox s-center Bluetooth and Wi-Fi evaluation software

**System requirements**

- PC with USB interface
- Operating system: Windows 7 onwards

**Product variants**

- XPLR-AOA-2 u-blox Bluetooth 5.1 indoor positioning explorer kit

**Related documentation**


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For more product details and ordering information, see the product data sheet.