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u-blox short range modules

Application Note

Abstract
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Reference: Adam Dunkels

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Reference: https://tls.mbed.org

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2.3 nRF5x SDK (ANNA-B112, NINA-B1, and NINA-B3 series)

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## Revision history

<table>
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<tr>
<th>Revision</th>
<th>Date</th>
<th>Name(s)</th>
<th>Comments</th>
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<tr>
<td>R01</td>
<td>28-Jan-2015</td>
<td>jjon</td>
<td>Initial release. Updated with information for ODIN-W2 1.0.0 release.</td>
</tr>
<tr>
<td>R02</td>
<td>4-May-2016</td>
<td>miju</td>
<td>Added support for ODIN-W260-01B and ODIN-W262-01B, and firmware version 2.0.0.</td>
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<tr>
<td>R03</td>
<td>7-Jul-2016</td>
<td>kkar</td>
<td>Added license section for NINA-B1 SDK.</td>
</tr>
<tr>
<td>R04</td>
<td>30-Sep-16</td>
<td>pber</td>
<td>Added support for ODIN-W2 firmware version v3.0.0 on page 2.</td>
</tr>
<tr>
<td>R05</td>
<td>30-Nov-16</td>
<td>miju</td>
<td>Added support for NINA-B1 firmware version 2.0.0 on page 2.</td>
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<tr>
<td>R06</td>
<td>3-Jan-17</td>
<td>kgom</td>
<td>Added support for ODIN-W2 firmware versions – 2.0.2 and 3.0.1. Replaced Document status with Disclosure restriction on page 2.</td>
</tr>
<tr>
<td>R07</td>
<td>30-Mar-17</td>
<td>kgom</td>
<td>On page 2, replaced type numbers and firmware version with All to denote support for all type numbers and firmware versions of NINA-B1 and ODIN-W2.</td>
</tr>
<tr>
<td>R08</td>
<td>3-Jul-2017</td>
<td>kgom</td>
<td>Replaced firmware with software.</td>
</tr>
<tr>
<td>R09</td>
<td>27-Nov-2017</td>
<td>objo, kgom</td>
<td>Added support for NINA-W1 software version v1.0.0 on page 2 and included license information for NINA-W1 (section 2.6).</td>
</tr>
<tr>
<td>R10</td>
<td>22-Dec-2017</td>
<td>pber, kgom</td>
<td>Added mbed TLS license information for ODIN-W2 (section 2.1).</td>
</tr>
<tr>
<td>R11</td>
<td>29-Jan-2018</td>
<td>hisa, kgom</td>
<td>Added support for NINA-B3 on page 2. Updated the title for section 2.3 to include support for NINA-B3 series.</td>
</tr>
<tr>
<td>R12</td>
<td>27-Mar-2018</td>
<td>hisa, kgom</td>
<td>Added support for ANNA-B112 module on page 2. Updated the title for section 2.3 to include support for ANNA-B112.</td>
</tr>
<tr>
<td>R13</td>
<td>12-Sep-2018</td>
<td>kgom</td>
<td>Minor formatting changes.</td>
</tr>
<tr>
<td>R14</td>
<td>7-Nov-2018</td>
<td>lhau, kgom</td>
<td>Added support for NINA-B2 on page 2. Restructured the information in section 2 - Replaced the information in tables with different subsections for each software license and enclosed the applicable short range modules in parentheses. Included information about the following new licenses – Newlib, Xtensa libhal MIT, FreeRTOS v8.2.0, WPA-Suppliant (NINA-W13 only), FreeBSD net80211, micro-ecc library, and mbed-tls.</td>
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<tr>
<td>R15</td>
<td>5-Mar-2019</td>
<td>kgom</td>
<td>Included support for NINA-B316.</td>
</tr>
<tr>
<td>R18</td>
<td>31-Oct-2019</td>
<td>lhau, kgom</td>
<td>Added NINA-W13 to MQTT_sn license (section 2.11).</td>
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