Nios® II Release Notes

Updated for Intel® Quartus® Prime Design Suite: 19.1
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1. Nios® II Intel® Quartus® Prime version 19.1 Release Notes


For more information about the Nios II Processor, refer to the *Nios II Processor* web page.

For other important information, refer to:
- *Knowledge Base* web page on the Intel FPGA website to search for errata based on the product version affected.

**Related Information**

- *Nios II Embedded Design Suite Release Notes (Archived)*

- *Knowledge Base* web page
- *Nios II Processors* web page
2. Nios II Intel Quartus Prime version 19.1 Software Release

This section provides up-to-date information about the Nios II Intel Quartus Prime software release for 19.1.

**Nios II Processor IP**

No change from Nios II Processor IP Intel Quartus Prime version 18.1.

**Nios II Embedded Design Suite**

You have to manually install Eclipse from the [Eclipse download page](#), in order to get the Nios II development environment running.

*Note:* Nios II Eclipse plug-ins are delivered in Intel Quartus Prime with the necessary installer and readme files.

**Embedded IP**

No change from Embedded IP Intel Quartus Prime version 18.1.
3. Nios II Intel Quartus Prime version 18.1 Software Release

This section provides up-to-date information about the Nios II Intel Quartus Prime software release for 18.1.

**Nios II Processor IP**

No change from Nios II Processor IP Intel Quartus Prime version 17.1.

**Nios II Embedded Design Suite**

- Nios II Toolchain versions for Intel Quartus Prime Pro Edition software:
  - GCC 7.3.1
  - BINUTILS 2.28.51
  - GDB 8.0.1
  - NEWLIB 2.5.0
- Nios II Toolchain versions for Intel Quartus Prime Standard Edition software:
  - GCC 5.3
  - BINUTILS 2.25
  - GDB 7.10
  - NEWLIB 2.2

**Embedded IP**

Added support for new Intel eSPI to LPC Bridge IP core in Intel Quartus Prime software.

**Related Information**

Embedded Peripherals IP User Guide

### Table 1. Document Revision History for Nios II Release Notes

<table>
<thead>
<tr>
<th>Document Version</th>
<th>Changes</th>
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<tbody>
<tr>
<td>2019.04.10</td>
<td>Added information about the Eclipse install.</td>
</tr>
<tr>
<td>2018.09.24</td>
<td>Added new features, bug fixes, enhancements, and known issues during the Intel Quartus Prime version 18.1 release of the Nios II cores.</td>
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<tr>
<td>2018.05.07</td>
<td>Added new features, bug fixes, enhancements, and known issues during the Intel Quartus Prime version 18.0 release of the Nios II cores.</td>
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<tr>
<td>2017.12.05</td>
<td>Added new features, bug fixes, enhancements, and known issues during the Intel Quartus Prime version 17.1 release of the Nios II cores.</td>
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<tr>
<td>2017.05.08</td>
<td>Added new features, bug fixes, enhancements, and known issues during the Intel Quartus Prime version 17.0 release of the Nios II cores.</td>
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</tbody>
</table>
| 2016.11.07       | • Combined the Nios II Embedded Design Suite (EDS), Nios II Processor IP, and Embedded Intellectual Property (IP) release notes into this release note.  
                   • Added new features, bug fixes, enhancements, and known issues during the Intel Quartus Prime version 16.1 release of the Nios II cores. |