

Linux on the Nios II architecture

This is a port of Linux to Nios II (nios2) processor.

In order to compile for Nios II, you need a version of GCC with support for the generic system call ABI. Please see this link for more information on how compiling and booting software for the Nios II platform:

<http://www.rocketboards.org/foswiki/Documentation/NiosIILinuxUserManual>

For reference, please see the following link: <http://www.altera.com/literature/lit-nio2.jsp>

What is Nios II?

Nios II is a 32-bit embedded-processor architecture designed specifically for the Altera family of FPGAs. In order to support Linux, Nios II needs to be configured with MMU and hardware multiplier enabled.

Nios II ABI

Please refer to chapter "Application Binary Interface" in Nios II Processor Reference Handbook.