Partner Development Kits
All Daughter Cards

Nios II Development Kit, Stratix II Edition

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Alterá's Nios⁸ II Development Kit, Stratu⁸ II Ediston provides a complete development environment, including everyfining hardware and software designes need for system-level designs. Based on the Nios II family of embedded processors and the Stratu IE F2580 device, you'll find the kit is ideal for designing and prototyping a wide range of embedded applications.

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 Hardware Development Tools

Figure 1. Nios II Development Board, Stratix II Edition



Ordering Information

Table 1. Nios II Development Kit, Stratix II Edition Ordering Code and Pricing Information		
Ordering Code	Price	Ordering Information
DK-NIOS-2S60N	\$995	In the United States and Canada, call 1-888-800-0631. Outside the United States and Canada, contact your local distributor. Buyonline through Altera's website.

Development Kit Contents

- The Nos Il Development Kil, Statisk II Edition includes:

 Nios II Embedded Design Sults, including

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 Nios II Integrated development environment (IDE) and debugger

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Software Development Tools

Software engineers do not need any prior FPCA design experience to use the Nios II Development Kit, Stratix II Edition. Altera's <u>Nios III Dic</u> provides everything needed to design for the Nios II family of embedded processors, with facilities for:

- C/C++ code entry and editing
 Project management and comp
 Software debugging
 Flash programming

Exceptional development tools and complete documentation, as well as multiple reference designs and a step-by-step software development tutorial (available in the online help browser) help you to get your design up and running immediately. You can write, compile, and run software on the Nios II development board within minutes of opening the box.

The Nios II ISS allows you to begin developing programs before the target hardware platform is ready. The Nios II IDE lets you run programs on the ISS as easily as running them on a real hardware target.

Altera provides ports of the MicroClOS-Il real-time operating system (RTOS) and the NicheStack TCP/IIP Network Stack Nics I Edition. The MicroClOS-IR TROS is built on the thread-safe hardware Abstraction Layer (HA) system Insaya and implements a simple, well-documented RTOS scheduler. The TCP/IIP stack is built on MicroClOS-III, and implements the standard UNIX Sockets API.

Altera provides documented software example designs to demonstrate all prominent features of the Nios II processors and the development environment.

You can get additional software development tools from Altera's embedded software partners

Hardware Development Tools

The Nios II Development Kit, Stratix II Edition is a complete design environment for hardware engineers. You can create your own custom embedded system within hours using the exceptional FPGA design tools, example projects, complete documentation, and step-by-step <u>Niotial (PDF)</u> included in the kit.

The <u>Quartus II design software</u> allows you to process multi-million gate designs, steamline development flows, and decrease your time-to-market. The Nios II Development Nt, Stratx II Edition includes the <u>Quartus II design software</u> with a one-year non-perpetual license. Altera recommends purchasing a full <u>Altera design software with a contract of the processors of th</u>

Table 2. Nios II Development Kit, Stratix II Edition Documentation Nos Development Board Straite II Edition Schematic Zip File Nos Development Board Straite II Edition Schematic Zip File Nos Development Board Straite Edition PCOBLeyour Files Zip File Nos Development Board Straite Edition Blad Materials 10/10/10/00 Ethernet Phy Daugther Board Reference Guide from Morethant? PDF in English

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