

NEC Electronics Europe releases low-cost System-on-Chip Lite+ starter kit

DUESSELDORF, Germany, May 23, 2005 – NEC Electronics Europe today introduced a new low-cost starter kit for the System-on-Chip Lite+ configurable microcontroller device. The System-on-Chip Lite+ Start it! development board is an evaluation system for designers who want to enter NEC Electronics' ARM-based System-on-Chip chip and configurable microcontroller worlds.

The Start it! development board facilitates the first encounter with the System-On-Chip Lite+ device. The on-board System-on-Chip Lite+ prototype chip includes an ARM7TDMI-based embedded microcontroller system. The functionality of this system can be expanded by means of sections of user defined logic (UDL) implemented within a mid-range FPGA. Flash, SDRAM and SRAM (optional) memory are also available on board to support initial software implementations with the board.

Connectors on the Start It! board support hook-up to a standard PC via Ethernet and to USB interfaces in the FPGA. It comes fully equipped with a µClinux operating system, including a small web server application that allows immediate operation using the Ethernet interface and a standard PC.

Features:

- System-on-Chip Lite+ prototype chip
 - o ARM7TDMI-S + SDRAM controller + 10/100M Ethernet MAC
 - o Interrupt controller, Timer, Watchdog, UART
- FPGA for 100K raw ASIC gates
- Flash-ROM (4 Mbytes)
- SDRAM (32 Mbytes)
- Serial port conforms to the RS232-C communication standard
- JTAG port for connection of standard ARM® debugging tools
- Parallel port for program/memory download and boundary scan of the FPGA
- 10/100 M Ethernet PHY

— more —

The System-on-Chip Lite+ Start it! starter kit can be ordered now. For further information on the System-on-Chip Lite+ Start it! development board please visit the following URL.
URL: <http://www.eu.necel.com/soclite+>

About NEC Electronics (Europe) GmbH

NEC Electronics (Europe) GmbH, headquartered in Duesseldorf, Germany, is a leading developer, manufacturer and supplier of semiconductor products in Europe. Committed to meeting customers' cost, performance and time-to-market requirements, the company offers solutions ranging from standard products to system-on-a-chip (SoC) solutions, as well as customized products for next-generation designs. NEC Electronics also offers customers the benefit of state-of-the-art manufacturing locally in Europe, besides the global production of its parent company, NEC Electronics Corporation. Additionally, NEC Electronics (Europe) GmbH is the exclusive European sales and marketing channel of LCD modules from NEC LCD Technologies Ltd.. For more information visit <http://www.eu.necel.com>.

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