Embedded RISC CPU Card and Board with WinCE6.0 and Linux 2.6 BSP Support

To offer a cost-effective but powerful package, IC Nexus announced small form factor, low power consumption and high performance Embedded DVK solution which comprised NXC2620 CPU Card (system on module), Dev kit, and LCD panel display.

Sept. 23, 2009 - PRLog -- Suitable for data acquisition, HMI, POS, GPS navigation, home automation application, IC Nexus announced "Embedded DVK" to provide easy to use solution as following,

CPU Card

It is compact enough for systems that require small form factor with native support for 24 bit RGB565 compatible LCD with USB 1.1 host/slave, RS232, Ethernet, SDHC/MMC, AC97 and more. The onboard NAND flash memory can be installed with either WinCE or Linux OS.

Two types of CPU Cards are available: PB260A card is with a CPU, PB502A card is with a CPU and a GPU for high resolution video display (up to 1280x1024).

The Embedded_DVK40 Kit

The NXC2620 Emb_DVK40 (Embedded DVK4.0) is a compact-sized computer board with a rich set of features. It is a flexible, high performance and inexpensive development kit designed for general embedded applications such as navigation devices, home automation, and data acquisition.

The Emb_DVK40 hardware comprises a CPU card, a baseboard, a USB1.1 hub card and a TFT LCD display. Each Emb_DVK40 is pre-installed with either Windows CE 6.0 or Linux 2.6 OS for instant evaluation. The full sets of Windows CE 6.0 and Linux 2.6 BSP are provided to customers for application development with no extra charge.

TFT-LCD Display

The standard Emb_DVK40 kit comes with a 4.3-inch LCD module at 480x272 resolutions. It also supports 4-wire resistance type touch screen to make the evaluation and development tasks easier. Optional LCD sizes such as 5.7-inch (640x480) and 7-inch (800x480) are also available.


IC Nexus is one of the leading fabless ASIC design & manufacturing services companies established in year 2000, providing RTL to ASIC design services and silicon fabrication services. By working closely with multiple library vendors, IP providers, top-tier silicon foundries, and packaging & testing facilities, IC Nexus can offer the most cost-effective and appropriate solutions for your next design.

32bit RISC CPU NXC2620 was announced and made for a CPU module by year 2008, and next CPU with full HD ARM11 will be announced in year 2010.

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IC Nexus is to provide 32bit RISC CPU total solution "Embedded DVK4" including CPU module, TFT-LCD display, and development board with software support.