

PXA255 Development Kit

Development Kit has been designed for fast developing. It allows simple and fast usage of powerful PXA255 processor for various applications where there is need for many peripherals. Operating system supplied together with the kit (Linux / Windows CE*), simplifies programming of the whole system thus shortens development of new device to minimum. The developed application can be, together with the DIMM module, easily placed into your own, more simple and what is the most important, cheaper base board and can be used in one's own application or with VOIPAC Base Board.

* BSP available from VOIPAC

Base Board Hardware Specification

- 2 x 100Mb Ethernet
- 2 x PCMCIA slot
- 1 x Compact Flash socket
- 1 x IDE connector (ATA2 interface for HDD or CDROM)
- RS232 connector (terminal output)
- STN Hitachi and TFT Sharp display support
- Touch screen interface
- IR serial interface and SPI interface
- Header for USB 1.1 client
- UART serial connector (3.3-5V)
- JTAG connector
- AC97 audio (stereo LINE IN/OUT, MIC IN)
- 2 x PS/2 - mouse and keyboard - controller
- Real Time Clock battery backup
- RESET switch
- 9 - 30 V power supply



Change Your Microcontroller For 400 MIPS ARM With OS In The Same Price!



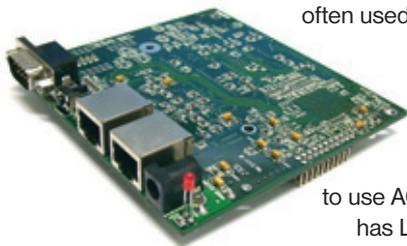
For Fast And Easy Developing

Including:

- DIMM Module
- Base Board with schematics
- CD ROM with Source Code
- JTAG Cable

PXA255 µPC Board

Suitable for Net applications



This board has found its niche mainly in the web applications such as servers, routers and firewalls. It is often used for data collection from various system through serial line, their processing and further transmission via Internet.

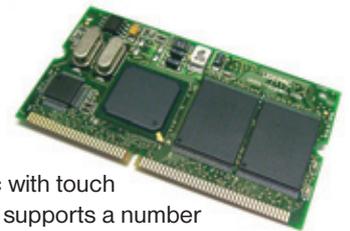
As a part of the Basic version, there is the possibility to use AC`97 AUDIO codec. The board has Linux OS preinstalled as default, is manageable through standard RS232 serial link and can be supplied in a stylish aluminium case.

PXA255 DIMM Module

DIMM Module belongs to the group of COMs (Computer On Module). It is embedded with processor PXA255 and its computing power can be up to 400MIPS. The module is available in various chip and memories configurations and also in **Extended temperature range.**

Moreover, it has AC`97 Audio codec with touch screen support. The processor itself supports a number of peripherals such as PCMCIA/CF, graphic display, UARTs, IrDA, SSP, USB client, I2C, AC`97 and many more.

Various configurations based on client's request available



µPC Board - Server Pro	µPC Board - Server	µPC Board - Basic*	Hardware	Software
<ul style="list-style-type: none"> - PXA255/200MHz - 32MB FLASH - 64MB SDRAM - 2x Ethernet 10MB - 1x RS232 - 1x Serial Async. Port - 1x Sync. Serial Port - OS Linux 	<ul style="list-style-type: none"> - PXA255/200MHz - 16MB FLASH - 64MB SDRAM - 2x Ethernet 10MB - 1x RS232 - 1x Serial Async. Port - 1x Sync. Serial Port - OS Linux 	<ul style="list-style-type: none"> - PXA255/200MHz - 32MB FLASH - 64MB SDRAM - 2x Ethernet 10MB - 1x RS232 - 1x Serial Async. Port - 1x Sync. Serial Port - OS Linux + Audio 	<ul style="list-style-type: none"> - Processor PXA255 (200 - 400MHz) - FLASH 8 - 16 - 32MB - SDRAM 16 - 32 - 64MB - Audio AC`97 with controller and support for touchscreen - DIMM 144 connector - power supply 3.3V - dimensions 67 x 36 mm 	<ul style="list-style-type: none"> - Linux 2.4.19/2.6.7 - File systems (JFFS2) - LINUX base utilities (Bash, Vi, ...) - Demo MP3player - X Windows

* Minimum Order Size >100 pcs



Your Local Distributor:

VOIPAC TECHNOLOGIES a.s.
Janka Krala 3, 911 01 Trenčín, Slovak Republic
e-mail: sales@voipac.com
www.voipac.com