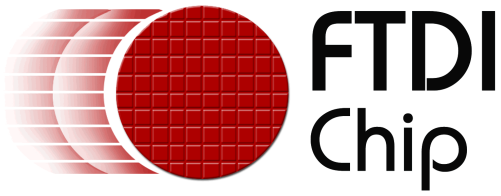
Product news



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Booth 2126

Vinculum-II evaluation modules reduces USB 2.0 Host/ Slave development time

San Jose, April 27th, 2010 – Future Technology Devices International (FTDI) today announced the launch of a range of VNC2 evaluation modules (V2DIP-x), a VNC2 evaluation kit (V2-EVAL) and a VNC2 debug module. These modules are designed to help designers quickly develop embedded USB 2.0 Host/ Slave designs based on FTDI's recently announced Vinculum VNC2 devices. VNC2 is a user programmable dual USB 2.0 Host/ Slave intelligent SOC controller featuring a customised 16 bit MCU core, 256kByte e-Flash program memory and 16kByte of SRAM data memory. VNC2, and its associated modules, are aimed at designers wishing to add USB connectivity while implementing their own custom application firmware.

The V2-EVAL evaluation kit is a complete prototyping platform for VNC2 and consists of a main development board which can takes a 32, 48 or 64 pin daughter board to suit the VNC2 package selected. Two USB type 'A' connectors and a USB

type ‘B’ connector provide interfacing, configuration and silicon level debug of the VNC2 application. A debug interface provides access through the USB interface to a comprehensive range of firmware debug features using the royalty-free Vinculum software development tool-chain and Integrated Design Environment (IDE). The board provides I/O headers for all supported interfaces such as UART, FIFO, SPI and GPIO. In addition, user configurable LEDs and switches are provided.

The V2DIP-x family is a range of compact VNC2 based USB Host/ Slave evaluation modules designed to fit into either a 0.6” or 0.8” standard DIP socket, allowing quick and easy connection to a development board or end product. Single (V2DIP1) or dual (V2DIP2) USB type ‘A’ connector versions are available for all 3 package sizes. VNC2 I/O pins are available via the DIP headers. In addition, a 6 pin header is provided to connect to the VNC2 Debug Module.

The VNC2 Debug Module, when used in conjunction with the Vinculum software development tool suite, provides full VNC2 silicon level debug. Connection to a host PC is provided via a USB type ‘B’ connector (and standard USB cable), while a 6 pin, 2 mm socket provides an interface to any of the V2DIP-x evaluation modules.

Pricing for the modules, based on single unit quantities, are as follows: V2DIP1-48 $21.50, V2DIP2-48 $25.24, VNC2 DEBUG MODULE $16.83, V2-EVAL $79.00, V2-EVAL-EXT48 $13.71 daughter board for use with V2-EVAL.

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Editor note:

During ESC Silicon Valley, John Hyde author of USB by example and Gurinder Singh will give a seminar titled “Vinculum VNC2 leading edge SoC embedded controller”. More information available here -

https://www.cmpevents.com/ESCw10/a.asp?option=C&V=11&SessID=10973

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About FTDI

Future Technology Devices International (FTDI) specialise in the design and supply of silicon and software solutions for the Universal Serial Bus (USB). FTDI offer a simple route to USB migration by combining easy to implement IC devices with proven, ready to use, royalty-free USB firmware and driver software. The company’s single and multi-channel USB peripheral devices come with an easy to use UART or FIFO interface. These popular devices can be used in legacy USB to RS232/RS422 converter applications or to quickly interface an MCU, PLD, or FPGA to USB. A wide range of evaluation kits and modules are available to evaluate FTDI’s silicon prior to design-in.

Vinculum is FTDI’s brand name for a range of USB Host / Slave Controller ICs that provide easy implementation of USB host controller functionality within products, and utilise FTDI's tried and tested firmware to significantly reduce development costs and time to market.

FTDI is a fabless semiconductor company headquartered in Glasgow, UK, and has regional offices in Oregon, USA, ShangHai, China and Taipei, Taiwan. More information is available at http://www.ftdichip.com