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EVMK2HX Evaluation Modules

The K2H Evaluation Modules (EVM), are easy-to-use, cost-efficient development tools that help developers quickly get started with designs using the Keystone 2 multicore SOC's. The EVMs include an on-board, single 66xx SOC with robust connectivity options that allows customers to use this double AMC form factor card in various systems. They also work as a standalone board. The software accompanying the K2H EVM includes the Code Composer Studio™ Integrated Development Environment version 5 (CCS v5), and the Multicore Software Development Kit (MCSDK) that includes the Board Support Package (BSP), Chip Support Library (CSL), Power On Self Test (POST), Network Development Kit (NDK), SYSBIOS, and Out of Box (OOB) Demonstration software.

The emulation capability and software included with the EVMs will allow customers to program the C66x SOC to benchmark algorithms for the Keystone 2 SOC's.

EVMK2HX - EVMK2H Evaluation Module
The K2H EVM comes with XDS200 onboard emulation capability. In addition, an external emulator via JTAG emulation header can be also be used.

NOTE: The EVMK2H is expected to be available sometime in 3Q2013. Please sign up to be notified when it is released for order.

EVMK2HX all feature

Hardware Features

- Double wide AMC form factor providing access to Serial RapidIO, XFI, CPRI, SGMII, and Hyperlink
- Single Keystone 2 C66x multicore processor
- 2 GB ECC DDR3 on board
- 2 GB ECC DDR3 1333 SO-DIMM
- 512 MB NAND Flash
- 128 Mb NOR Flash
- 1Mb I2C EEPROM for local boot (remote boot possible)
- Dual 10/100/1000 Ethernet ports on board
- GPS Input
- uSIM Connector
- LCD Display
- User programmable LEDs and DIP switches
- 60-pin JTAG emulator header
- Board-specific Code Composer Studio™
- Integrated Development Environment
- Orcad and Gerber design files

Software Features

- Board-specific Code Composer Studio™
- Integrated Development Environment
- Orcad and Gerber design files

Kit Contents

- EVMK2HX Evaluation Module
- Power adapter and power cord
- USB cable for on-board JTAG emulation (XDS200)
- Mini-USB cable
- Ethernet cable
- RS-232 serial cable
- Universal Plug Adapter
- Documentation

EVMK2HX features their embedded JTAG emulation with USB Host interface via **XDS560V2**

EVMK2HX HW and SW Revision Matrix

EVM Revision	SN Range	Ship Date	Silicon Rev	PCB Rev DSPM8305E	BMC Rev	LINUX-MCSDK (NAND)	BIOS-MCSDK (NOR)
Rev1.0	ESE0075202 - ESE075236	13-Feb	PG1.0	A102	1.0.1.3a	N/A	Alpha7
Rev1.1	EPD0082118 - EPD0082227	22-May	PG1.0	A102	1.0.2.5	N/A	Alpha7
Rev2.0		3Q 2013	PG1.1	A103	1.0.2.5	N/A	Alpha7
Rev3.0		1Q 2014	PG1.1	A104	1.0.2.5	N/A	3_00_03_15

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