

Processors Supported

PowerPC 4xx, 5xx/8xx, 74xx, 745x, 8641D
6xx/7xx/82xx/83xx, 7400/7410,
85xx, P10xx, P20xx 86xx, MPC55xx
MGT5100, MPC51xx, MPC5200
QorIQ (P4080)

ARM7/9/9E, ARM11,
Cortex-A8/A9, Cortex-M3, R4
X-Scale, MIPS32/64 (5KC),
RMI Au1x00/XLS/XLR
PA6T, Cavium's OCTEON
Motorola M-Core,
ColdFire, 68K, CPU12/16/32/32+

TMS320, C3x, C4x, C5x, C2000,
C5000, C6000, OMAP, DaVinci,
TMS470 (ARM), VC33

Contact USI for a complete list

Contact USI

Corporate Office

Ultimate Solutions, Inc.

10 Clever Drive, Tewksbury, MA 01876-1580
Phone: 978.455.3383 - Toll Free: 866.455.3383
Fax: 978.926.3091 - Email: info@ultsol.com

Web: www.ultsol.com

Ultimate Solutions, Inc.
10 Clever Drive • Tewksbury • MA 01876-1580 • USA



Professional Grade Development Tools and Design Services



About USI

Ultimate Solutions, a Massachusetts based company, was founded in 1999 with the vision to provide developers of embedded systems with a single channel to procure a wide spectrum of professional development tools. USI's product lines target the most commonly used general purpose CPUs and programmable DSPs available in the market today. Over the years, USI has established itself as the leading supplier of development tools for the embedded Linux market. In 2007, the company developed and released the industries first Eclipse based debugger optimized for use with GDB and Abatron's BDI2000/3000 series of BDM/JTAG probes. In the years to follow, USI is committed to expanding its products and support services to meet the demands of tomorrow's embedded developers.

With all the vendors and tools available to embedded developers today, the task to select the right tools for the job can be time consuming and for many, overwhelming. At USI, we have done the legwork for you to insure that as developers, you will spend your time debugging your embedded platform, not your tools.

Buy tools from the tools guy, not the semi guy!

Unlike many semi-distributors whose core competency is to sell chips, USI's knowledgeable Sales Engineers are well versed in selling development tools. They understand what questions to ask to properly configure the right tools at the right price for your embedded development environment. For those of you who wait until the last minute to buy your tools, USI is a stocking distributor and in most cases can ship product off the shelf. To make doing business with USI even easier we accept all major credit cards, such as Master Card, Visa, Discover and American Express.

USI Manufacturers

Abatron
Ultimate Solutions
Blackhawk
Texas Instruments
Zylin AS
CodeSourcery
Microcross
DAVE S.r.L.
MyCable
ingenia

In-Circuit & BDM/JTAG Emulators

Abatron



Blackhawk



Zylin AS



Development Boards

DAVE S.r.L.



Abatron

The BDI series of high-speed BDM & JTAG Debug Interfaces from Abatron provide a feature rich and robust connection to a wide range of 12, 16, 32 & 64 bit embedded processors. The BDI3000 is an excellent choice when coupled with GNU/GDB tools commonly used to support NetBSD & Linux kernel debugging and board bring up. The BDI series can be hosted to a network via a 10/100 BASE-T interface. Host development environments supported include Linux, Windows, Solaris and other UNIX like environments.

DAVE S.r.L.

DAVE S.r.L. offers CPU Modules, Evaluation Boards and Development Kits for the ARM7TDMI, ARM920T, MPC512x, ARM11, Cortex-A8 and the PPC405EP family of processors. Also available is a miniature module based on Freescale's iMX Dragonball CPU. Each module includes an evaluation board and development kit, which allows customers to test all features of the module.

Blackhawk

Blackhawk offers the industry's first USB based JTAG interfaces that are XDS510 and XDS560 compliant. Blackhawk offers the LAN560 JTAG Emulator, which is an integrated network device and JTAG emulator, which connects directly to a LAN, WAN, or WIFI via a 10/100 Mbit Ethernet RJ-45 connector. The XDS560 Trace System is non-intrusive, hardware-based tool for debugging and profiling high-performance, DSP-based applications providing developers with advanced visibility to debug specialized problems that occur. Blackhawk also supplies the industry's first POSIX compliant Real-Time OS specifically designed to support Texas Instruments' line of TMS320 DSPs. The Blackhawk™ Remote Emulation Server Pro allows an XDS560-class emulator installed in a PC with Ethernet interface to be accessed over a local area network (LAN) from another PC running Code Composer Studio™.

Zylin AS

The ZY1000 is an easy to use stand-alone JTAG Debugger and flash programmer. It communicates with your computer over TCP/IP. This enables the ZY1000 to be used with any operating system (Windows, Linux, Mac OS, Solaris and others). The flash programming capability requires only a web browser and for debugging only GDB is required on the host operating system. The ZY1000 supports the ARM7, ARM9, ARM11, XScale and Cortex-M3 line of processors with the included firmware.

MyCable



Texas Instruments

TI continues to improve upon its real-time software technology with the release of Code Composer Studio™ IDE. CCS software is a development suite that integrates all the tools necessary to take an application from beginning to end. The real-time foundation provided by DSP/BIOS II™, enabled by HS RTDX™ provides key features, such as real-time analysis and advanced data & system visualization.

CodeSourcery G++

Sourcery G++ is a complete development environment with C/C++ compilers and run-time libraries, a source- and assembly-level debugger, an IDE, and many other tools designed with the embedded developer in mind. Developers working with a bare metal system can take advantage of the Sourcery G++ Debug Sprite for running and debugging applications on target hardware via a JTAG or BDM device. Sourcery G++ also includes a basic board support package with linker scripts, start-up code, and debugger interface files. For GNU/Linux application developers, Sourcery G++ offers an application simulator and other tools such as a GNU/Linux Library Optimizer for reducing the footprint of a GNU/Linux system and Sysroot Utilities for simplifying the use of Sourcery G++'s libraries and dynamic linker when running applications on the target system.

MyCable

Combining the highest level of system integration, performance and reliability with cost effectiveness and low power consumption, MyCable's XXS1500 module is the solution for embedded control and multimedia systems. The XXS1500 development board is a CPU module based on the AMD/Alchemy Au1500 (MIPS32). They are delivered with Linux, QNX, and soon WindowsCE.NET board support packages. For Linux, the entire tool chain and an up-to-date kernel are provided.

Ultimate Solutions

LinuxScope-JTD™ (JTAG Target Debugger) is a plug-in debugger for the Eclipse IDE that has been optimized for use with Abatron's BDI2000/3000 BDM/JTAG probe. LinuxScope-JTD™ leverages the capabilities of the BDI probe, which already supports a wide range of embedded CPUs to provide a complete software debugging solution for the Linux kernel. LinuxScope also provides users with the ability to program a wide range of common flash and strata flash devices. Because it is built on Eclipse, it is easy to add in a user defined tool chain to support application building and debugging.

Cross Compilers/ Debuggers

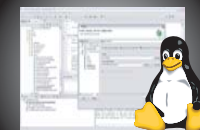
Texas Instruments



CodeSourcery



Ultimate Solutions



Your Single Source For Professional Grade Development Tools & Design Services