usb²Sprite ™

The usb²Sprite is a self-powered, cable-less, miniaturized (2.25 in²) version of our usb²Demon that plugs directly into a board's JTAG/BDM header providing "built-in" debug connectivity. To the user the usb²Sprite looks like a USB mini connector sitting on top of the board's JTAG/BDM header. Problems caused by customer installation errors, JTAG cable noise, parallel port incompatibility, and the need for an external power supply are eliminated.

Features

- Low cost on-chip debugging interface
- Provides a simple, self powered, host USB to target mini USB debug interface
- Very small footprint means boards can be shipped with the usb²Sprite™ already installed
- Small size and USB's 5 meter (16 ft) maximum cable length mean a usb²Sprite™ can go in hard to reach places
- High speed downloads
- Flash memory programming
- Multi-core/multi-processor debugging
- Interoperability with major 3rd party software debuggers
- Free GNU tools suite
- Free OCD Commander assembly-level debugger
- Support for Windows and Linux (Red Hat 7.2 – 9, Fedora Core 2) hosts

Supported Debuggers and Tools

The usb²Sprite is fully compatible with all of Macraigor's software tools, including our free OCD Commander debugger, free GNU toolkit distributions, OCD Flash Programmer application, and our production line test tools.

In addition, several commercial third-party debuggers can interface to the usb²Sprite. A partial list of our debugger partners includes:

- Accelerated Technology/ Mentor Graphics
- Allant (ARM)
- Arc (Metaware)
- Altium
- DDC-I
- Green Hills Software
- IAR Systems
- Metrowerks
- Microcross
- Microsoft
- Paradigm Systems
- Red Hat
- Viosoft

For a complete list of compatible debuggers, please visit our web site.

Supported Processors

AMCC:	PPC405, PPC440
ARM:	7TDMI, 710T, 720T, 740T, 9TDMI, 920T, 922T, 940T, 946T, 1136J-S
Freescale:	MC9328MX1, MPC8xx, MPC5xx, MPC5554, MPC740, MPC745, MPC750, MPC755, MPC8240, MPC8245, MPC8247/8248, MPC8250, MPC8255, MPC8260, MPC8264/65/66, MPC8270/71/72, MPC8280, MPC8540, MPC8560, MPC8541, MPC8555
IBM:	PPC603e, PPC740, PPC750
Intel XScale® Technology:	PXA21x, PXA25x, PXA26x, PXA27x, IOP3xx, IXC1100, IXP42x, IXP46x, IXP24xx, IXP28xx, 80200, 80219, 8032x, 8033x
Net Silicon:	NetARM+10, NetARM+40, NetARM+50, NS7520, NS9750
Phillips:	PR1900
Triscend:	A7

For a more complete and up to date list of supported processors, please visit our web site.

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Macraigor Systems
Complete JTAG Debug Support

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Macraigor Systems is a leading supplier of BDM/JTAG connection solutions for on-chip debugging of 32 and 64-bit embedded microprocessors. Macraigor Systems' solutions are designed for price-sensitive customers. These solutions include a suite of software tools that supports Windows 9x, NT, ME, XP, Linux and Solaris host systems. Macraigor Systems supports all major embedded microprocessor architectures, including AMD, ARM, ColdFire, CPU32 Series, PowerPC, MIPS and the XScale microarchitecture.