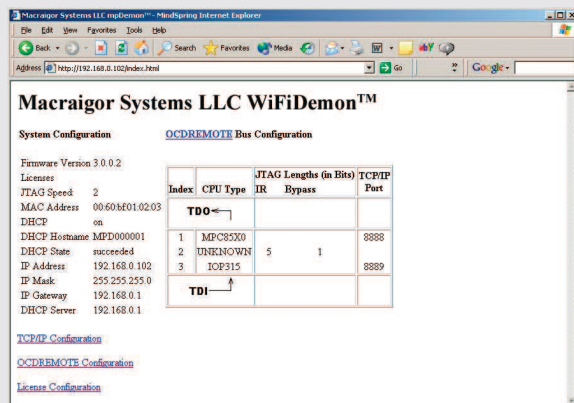# WiFiDemon™

The WiFiDemon is Macraigor's fastest and most versatile OCD interface device for use in the design, debug, and programming of microprocessor and micro controller based embedded systems. The WiFiDemon allows the user to select a 10/100 BaseT Ethernet or WiFi connection to the host. The WiFiDemon supports configurable BDM / JTAG clock rates between 4.5 KHz and 24 MHz, providing very fast code download and responsive debugging.

List Price: $1,995

WiFiDemon web page configuration screen for GDB Remote showing two different processors and one other device (such as an FPGA) on the same JTAG scan chain.

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Complete JTAG Debug Support

Features

- LED status indicators
- 10/100-BaseT Ethernet Port / WiFi
- Support for scan chains with up to 255 devices, all may be debugged
- DHCP support
- DHCP name server support (by default "MPD<last 6 digits of MAC address>")
- Configuration via VNC link or using standard mouse/keyboard/VGA interfaces
- Ethernet / WiFi GDB monitor protocol support
- Fully mpDemon Software compatible
- Linux Fedora Core 15 OS / 40 Gigabyte hard drive
- Twelve inch target interface cable
- Firmware is field upgradable
- Interchangeable personality modules allow easy, inexpensive changes of target processor
- API compatible with all other Macraigor connection devices
- Small footprint - 7.25 x 5 inches

Supported Debuggers and Tools

The WiFiDemon 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 interface to the WiFiDemon. 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

Processor	Models
Alchemy:	AU1000, AU1100, AU1200, AU15xx
AMCC:	PPC405, PPC440, PPC460, AM821x1
AMD:	SC520, AU1000, AU1100, AU15x0, AM32
ARM:	7TDMI, 710T, 720T, 740T, 9TDMI, 920T, 922T, 940T, 946T, 1136J-S, ARM1176, ARM11MP, Cortex M3, Cortex A8, Cortex A9
Broadcom:	BCM7115
Cirrus Logic:	CS7xxx, CS89712
Freescale:	MC9328MX1, 683xx, MPC603e, 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
	iMX23/iMX25/iMX27/iMX28/iMX35/iMX50/iMX51/iMX53
IBM:	PPC603e, PPC740, PPC750
Intel Atom® Technology:	N270, CE41xx, CE42xx, D4xx, N4xx Z5xx, E6xx
Intel XScale® Technology:	PXA21x, PXA25x, PXA26x, PXA27x, IOP3xx, IXC1100, IXP42x, IXP46x, IXP24xx, IXP28xx, 80200, 80219, 8032x, 8033x
Intrinsity:	FASTMATH
MIPS:	4Kc/p/m/e, MIPS32 14K, MIPS32 24K
Microchip:	PIC32
Net Silicon:	NetARM+10, NetARM+40, NetARM+50, NS7520, NS9750, NS9750,NS9775
Phillips:	PR1900
Sharp:	LH7A4xx, 7952x
TI:	OMAP35x, OMAP4430

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

Macraigor Systems LLC

www.macraigor.com • Sales Inquiries: 206-855-9269

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, Vista, Win 7 (32 and 64), Linux and Solaris host systems. Macraigor Systems supports all major embedded microprocessor architectures, including AMD, ARM, ColdFire, CPU32 Series, PowerPC, MIPS, Intel Atom and the XScale micro architecture.