

# 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**

**Macraigor Systems LLC WiFiDemon™**

System Configuration [OCDREMOTE Bus Configuration](#)

Firmware Version 3.0.0.2

Licenses

JTAG Speed: 2

MAC Address: 00:60:4f:01:02:03

DHCP: on

DHCP Hostname: MPD000001

DHCP State: succeeded

IP Address: 192.168.0.102

IP Mask: 255.255.255.0

IP Gateway: 192.168.0.1

DHCP Server: 192.168.0.1

Index	CPU Type	JTAG Lengths (in Bits)		TCE/IP Port
		IR	Bypass	
1	MPC8520	5	1	8888
2	TUNKNOWN			
3	ICP315			8889
TDO				
TDI				

[TCP/IP Configuration](#)

[OCDREMOTE Configuration](#)

[License Configuration](#)

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

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