

Compilers, Debuggers, and Programmers

Programmers

USB2Wiggler Features:

- Universal Serial Bus interface for JTAG and BDM debugging
- Faster than the classic parallel port Wiggler
- Fully compatible with all Macraigor Systems software
- Operates up to Hi-Speed USB rates (480Mb/s)
- One side interfaces to USB port of host IBM compatible PC, other side connects to OCD (On-Chip Debug) port of target system
- Port may be JTAG, E-JTAG, OnCE, COP, BDM, or any of several other types of connections



USB2Demon Features:

- Interfaces to USB 1.1 or USB 2.0 port of host PC on one side, other side connects to OCD (On-Chip Debug) port on target system
- Simultaneously debugs up to 255 devices on a single scan chain
- Supports configurable JTAG/BDM clock rates up to 20MHz
- Compatible with Windows and Linux hosts
- Supported versions of Linux: Red Hat 7.2-9 and Fedora Core 2
- Fully compatible with all of Macraigor's software tools



USB2Sprite Features:

- Low cost on-chip debugging interface
- Provides a simple, self powered, host USB to target mini USB debug interface
- Very small footprint
- Small size and USB's 5 meter (16 ft) maximum cable length
- High speed downloads
- Flash memory programming
- Multi-core/multi-processor debugging
- Interoperability with major 3rd party software debuggers



Macraigor Systems
Complete JTAG Debug Support

PROGRAMMERS AND DEBUGGERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Macraigor Part No.	Compatible MCU/CPU	Price Each
USB2Wiggler			
935-U2W-ARM-14	U2W-ARM-14	14-pin ARM	250.00
935-U2W-ARM-20	U2W-ARM-20	20-pin ARM	250.00
935-U2W-BDM	U2W-BDM	MPC5x, MPC8x	265.00
935-U2W-COP	U2W-COP	82xx, 85xx	250.00
935-U2W-ONCE	U2W-ONCE	DSP, Tensilica CPUs	250.00
935-U2W-XSCALE	U2W-Xscale	Xscale	265.00
935-U2W-MIPS	U2W-MIPS	14-pin MPS	250.00
USB2Demon			
935-U2D-ARM-20	U2D-ARM-20	20-pin ARM	725.00
935-U2D-ONCE	U2D-ONCE	DSP, Tensilica CPUs	725.00
935-UD-XSCALE	UD-Xscale	Xscale	700.00
935-U2D-ATOM-60	U2D-Atom-60	60-pin Atom	775.00
USB2Sprite			
935-U2S-ARM-20	U2S-ARM-20	20-pin ARM	240.00
935-U2S-XSCALE	U2S-Xscale	Xscale	240.00

BYTE CRAFT

DEVELOPMENT SOFTWARE

Features:

- An optimizing C Cross-compiler
- An Integrated Development Environment and editor
- The BCLink linker
- A built-in macro cross-assembler

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bytecraft Part No.	Description	Price Each
Compilers			
929-C6805	C6805	C Compiler for Freescale MC68HC05 microcontrollers	1595.00
929-C6808	C6808	C Compiler for Freescale HC08/ HCS08/RS08 microcontrollers	1595.00
929-MPC	MPC	C Compiler for Microchip PIC 12/14/16/17	1595.00
Tools			
929-ETPUC	ETPUC	Code Development System for Freescale eTPU	3750.00
929-FUZZC	FUZZC	Fuzzy Logic Preprocessor - Converts fuzzy logic statements and C statements into pure C code	190.00

MCS ELECTRONICS

COMPILERS

Features:

- Structured BASIC with labels
- Structured programming with IF-THEN-ELSE-END IF, DO-LOOP, WHILE-WEND, SELECT- CASE
- Fast machine code instead of interpreted code
- Variables and labels can be as long as 32 characters
- Bit, Byte, Integer, Word, Long, Single and String variables
- Compiled programs work with any 8051 MCU such as AT89C1051, AT89C2051, 8031, 8032, 8051, 8052, 80552, 80535 and 80537 MCUs
- Statements are highly compatible with Microsoft's VB/QB
- Special commands for LCD-displays, I2C chips and 1WIRE chips
- Integrated terminal emulator with download option
- Integrated simulator for testing
- Integrated flash programmer and support for SPI, PG2051, PG302, SE512, SE514, TAFE. (hardware can be purchased separately)
- Editor with statement highlighting
- Context sensitive help

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MCS Part No.	Description	Price Each
921-BASCOM-AVR	BASCOM-AVR	AVR BASIC Compiler and integrated simulator	129.00
921-BASCOM-8051	BASCOM-8051	8051 BASIC Compiler and integrated simulator	119.00

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260

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EE Tools DEVELOPMENT PROGRAMMERS

TopMaxII Programmers

TopMaxII Features:

- High speed device programmer and TTL/LOGIC/DRAM tester
- PC driven: USB 2.0 interface
- Device libraries > 18000
- Standard 48-pin DIL ZIF socket
- Supported devices: EPROM, EEPROM, FLASH (NOR/NAND) memory, PLD, FPGA, Serial PROM, Parallel PROM, CMOS PROM, PIC and microcontrollers
- B/P/V takes 65 sec. for 64Mbit flash memory
- All socket adapters are available in stock (USA): PLCC, SOP, SOIC, QFP, TSOP, SON, BGA, TSSOP, and TSOPII
- Supported low-voltages: 1.8/2.0/2.7/3.0/3.3/5.0 volt
- Built-in AC (110-240) power supply
- External start key for auto programming mode
- Win 95/98/NT/2000/XP/Vista/Windows 7
- Approved by CE
- Made in USA
- Free software update for lifetime



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
519	TOPMAXII	Universal Device Programmer and IC Tester for USB	795.00

ChipMax and ChipMax2 Programmers

ChipMax2 Features:

- Cost effective high speed universal programmer
- PC driven: USB 2.0 interface
- Device libraries > 1500
- Standard 48-pin DIL ZIF socket
- Supported Devices: EPROM, EEPROM, FLASH (NOR/NAND) memory, PLD, FPGA, Serial PROM, Parallel PROM, CMOS PROM, PIC and microcontrollers
- B/P/V takes 85 sec. for 64Mbit Flash Memory
- All socket adapters are available in stock (USA): PLCC, SOP, SOIC, QFP, TSOP, SON, BGA, TSSOP, and TSOPII
- Supported low voltages: 1.8/2.0/2.7/3.0/3.3/5.0 volt
- External AC (110 or 240) power supply
- External start key for auto programming mode
- Win 95/98/NT/2000/XP/Vista/Windows 7
- Approved by CE
- Made in USA
- Free software update for lifetime



ChipMax2

ChipMax Features:

- Low cost universal programmer
- PC driven: parallel (print) port interface
- Device libraries > 8500
- Standard 40-pin DIL ZIF socket
- Supported Devices: EPROM, EEPROM, FLASH (NOR/NAND) memory, PLD, FPGA, Serial PROM, Parallel PROM, CMOS PROM, PIC and microcontrollers
- B/P/V takes 85 sec. for 64 Mbit Flash Memory
- All socket adapters are available in stock (USA): PLCC, SOP, SOIC, QFP, TSOP, SON, BGA, TSSOP, and TSOPII
- External AC (110 or 240) power supply
- Win 95/98/NT/2000/XP/Vista/Windows 7
- Approved by CE
- Made in USA
- Free software update for lifetime



ChipMax

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
519	CHIPMAX2	Universal Device Programmer and IC Tester for USB	495.00
519	CHIPMAX	Universal Device Programmer for PC Parallel Port	245.00

EE Tools PROGRAMMER ADAPTERS

The following adapters can be added as popular programming accessories for all EE Tools programmers.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
519	PA16SO16DEO-150	Universal 16-pin SOIC Adapter	80.00
519	PA20SO20DEO-EO-210	Universal 20-pin SOIC Adapter	81.20
519	PA48TS48D1	Universal 48-pin TSOP Adapter	135.00
519	PA44-48U	Universal 44-pin PLCC Adapter	115.00
519	PA32PL32D	Universal 32-pin PLCC Adapter	80.00

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