EmbeddedComputers

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FlashcatUSB Classic Memory Programmer

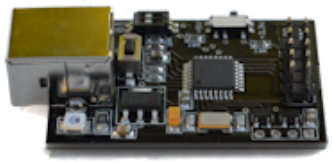
The most popular SPI, I2C and JTAG programming device in use today. Compatible with thousands of Flash memory devices. Connects directly via SPI, I2C or JTAG hardware headers. Specific hardware support can be added using a easy to use device script feature.

SPI socket adapters (SO8, SO16, DIP8, WSON8) are **available here**
Parallel sockets (PLCC-32, TSOP-48, TSOP-56) are **available here**

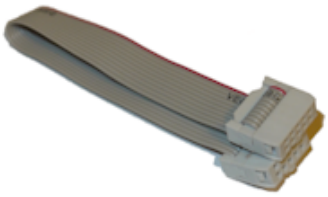
Features:

- Open-source (Microsoft .NET 4.0) software for Windows PC
- Multi-language: English, French, German, Portuguese, and Spanish.
- Supported protocols: JTAG, SPI, I2C, MPF, NAND
- Fast 16MHz RISC processor with 32KB internal memory
- Upgradeable firmware over USB
- On board reset button (for device reset or bootloader mode)
- Universal CFI Flash programming support
- SPI Mode 0, 1, 2 compatible (32-bit addressing supported)
- USB 2.0 / 3.0 / 3.1 compatible
- Dual voltage 3.3v or 5v output via selectable switch
- Over 10 low-cost socket adapters available for purchase
- Supports both NOR and NAND Flash memory types
- Designed for programming in-circuit

MADE IN USA

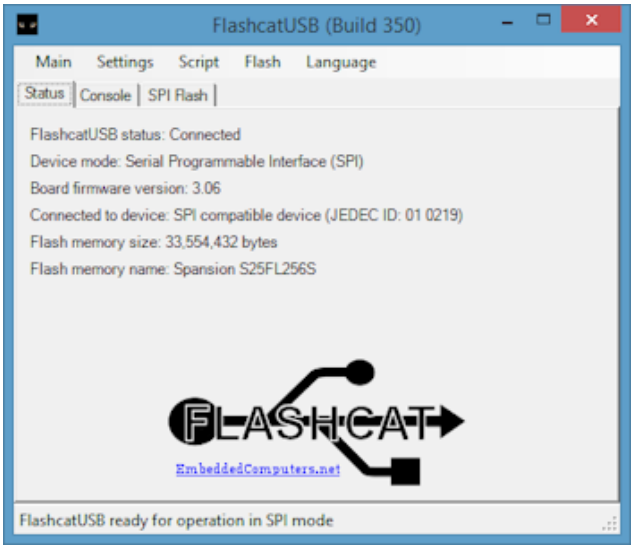
	Part number	Description	Price
	FCUSB2X	A standard FlashcatUSB Classic (PCB 2.2), USB 2.0 cable, and your choice of connection jumper cable/wires (see below for visual description).	**Ships in 24 hours** Jumper Pins (0.1") Add to Cart **$29.99**

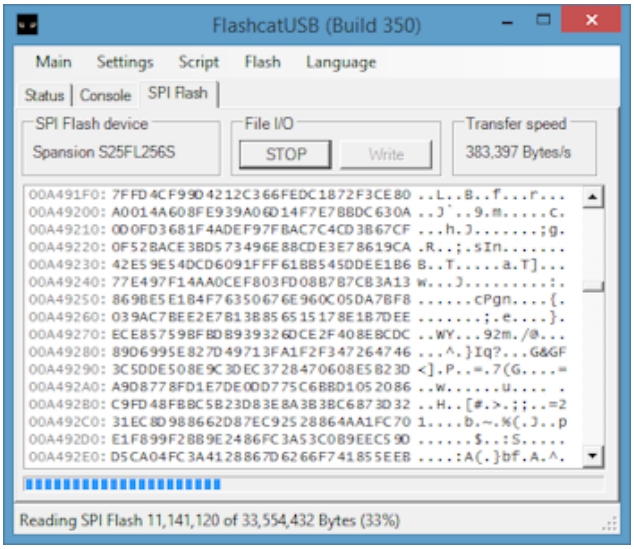
Jumper pins (6 individual pins, 0.1")
Ideal for XILINX or other ports that may have a unique pin out for JTAG or SPI.



IDC Cable (10 pin, 0.1")
Ideal for JTAG or standard board to board connections.

Jumper pins (8 pins, 2mm)
Ideal for smaller SPI headers, such as motherboards.





Easy to use interface that you can use to load scripts, read or write flash memory, or perform JTAG commands.

Current Supported Features

☑ 8 MHz SPI clock speed	Up to 350KB/s read and 200KB/s write
☑ SPI Flash Memory	SPI mode 0, 1 and 2 supported
☑ Ultra High Density (1Gb+ SPI devices)	16, 24, and 32-bit addressing
☑ Multi-voltage I/O devices	3.3v and 5v memory devices
☑ SPI Serial EEPROM devices	25AAxx, 25LCxx, M95xxx devices
☑ I2C and TWI EEPROM devices	All 24Cxx supported (**See picture**)
☑ Three-wire Microwire EEPROM	All 93XX devices supported
☑ JTAG supported	SVF Programming mode
☑ FPGA or CPLD JTAG programming	XLINX / Lattice devices (SVF and XSVF formats)

Compatible with these SPI NOR Flash devices:

Atmel / Adesto [+] Expand	Spansion / Cypress [+] Expand	Micron [+] Expand
Winbond [+] Expand	MXIC [+] Expand	EON [+] Expand
Microchip [+] Expand	PMC [+] Expand	AMIC [+] Expand
Dosilicon [+] Expand	GigaDevice [+] Expand	ISSI [+] Expand
ESMT [+] Expand	Sanyo [+] Expand	Berg Micro [+] Expand
XMC [+] Expand	BOYAMICRO [+] Expand	PUYA [+] Expand
Atmel [+] Expand	ST [+] Expand	XICOR [+] Expand

Compatible with these SPI NAND Flash devices:

Micron [+] Expand	GigaDevice [+] Expand	Winbond [+] Expand
Toshiba [+] Expand	Kioxia [+] Expand	XTX [+] Expand
MXIC [+] Expand	ISSI [+] Expand	ESMT [+] Expand
FMSH [+] Expand		

Works with SPI and Microwire EEPROMS:

Atmel AT25010A, AT25020A, AT25040A, AT25128B, AT25256B, AT25512;
AT25080, AT25160, AT25320, AT25640
Microchip M25AA160A, M25AA160B

ST M95010, M95020, M95040, M95080
M95160, M95320, M95640, M95128, M95256, M95512, M95M01, M95M02
93XX46, 93XX56, 93XX66, 93XX76, 93XX86

Other devices supported:

Nordic nRF24LE1 and nRF24LU1+ (16KB/32KB flash over SPI) (**See picture**)
Xilinx CoolRunner-II series (XC2C32A, XC2C64A, XC2C128, XC2C256, XC2C384, XC2C512) (**See picture**)
Xilinx CPLD devices (XC9500XL, XC95288XL, XC95144XL, XC9572XL, XC9536XL)
Lattice CPLD devices (LC4032V, LC4064V, LCMXO256, LCMXO640, LCMXO1200, LCMXO2280)
Altera CPLD devices (5M40Z, 5M80Z, 5M160Z, 5M240Z, 5M570Z, 5M1270Z, 5M2210Z)
Altera EPCS devices (EPCS1, EPCS4, EPCS16, EPCS64, EPCS128)
Altera EPC2 devices (EPC2LC20, EPC2LI20, EPC2LC20N, etc. JTAG/SVF)

If you need to program a device that is not listed here, just contact us and request to have it added. We are able to add any SPI or CFI compatible flash to our software free of charge. If you need a specific MCU supported (such as a device with on board memory that can be programmed via SPI or JTAG), contact us!