Phyton™

ChipProg-ISP
Universal Gang Programmer

At a Glance:
- Low-cost ISP programmer for engineering and low-volume production
- Palm-size tool with changeable ISP cables
- Dimensions - 100x70x25 mm or 4x2½x1 inch
- USB 2.0 interface to a host computer
- Gets power from a computer USB port, no external power adapter is required
- Very fast programming operations
- Lifetime free software updates

Device support:
- Serial and parallel Flash memory devices programmable in system
- Microcontrollers with Flash memory programmable in system, including the ARM7, ARM9, Cortex-M3, 8051, PIC, AVR, MSP430, Z8, 9S08 and 9S12 architectures

Semiconductor manufacturers support:
- Atmel, Freescale, Infineon, Macronix, Microchip, NXP/Philips, Numonyx, Renesas, Samsung, Spansion, STMicroelectronics, SST, Texas Instruments, Winbond, Zilog and others

Target programming interfaces:
- UART, SPI, I²C, JTAG and variety of other standard and proprietary synchronous and asynchronous interfaces

Automation and Multiprogramming:
- Allows operations with projects to simplify and speed up operations with different device types
- Single programming commands can be executed automatically as a preset batch of single operations
- Built-in C-like script language enables automation of complex and routine programming operations
- Can be controlled from external applications
- Supports volume programming by writing serial numbers, checksums, signatures into target devices
- Maintains the programming log
- Unlimited number of programmers can be connected to one host PC for the concurrent programming of multiple devices

Device support:
- Start button for fast manual control
- Hot keys for major operations: Blank Check, Erase, Read, Program, Verify, Lock and Auto
- Loads files in Binary, Intel HEX, Motorola S-Record and other formats
- Unlimited number of memory dump buffers
- Dump buffers are featured with multi layer structure corresponding to the device memory map
- Easy preset for microcontrollers parameters: SFRs, boot vectors, oscillator options, voltages, etc.
- Automatically calculates and displays checksums of the data dumps in memory buffers
- The embedded editor operates with Hexadecimal, Decimal, Binary and ASCII data in memory buffers and enables full screen data editing in buffers
- Allows advanced block operations in buffers: copy, move, compare, fill with data, search, etc.

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