ProgMaster-U8
Universal Gang Programmer

ProgMaster-U8

is a new generation universal gang programmer with ultra high speed and it completely can support all IC families on the market. Equipped with 8 programming sites. ProgMaster-U8 has been designed and optimized to reach the IC maximum performances without compromise on the programming quality, stability and reliability making it the best value for mass production.

Features

● **High programming speed**

Built in high speed processor to achieve high programming speed.
Timing reference(P+V) :

NAND256W3A2BNB	43s	S29AL016J70TFI01	22s
STM8S105K6	11s	W25X16VSIG	18s

● **Completely support all IC families and packages**

1. Support EEPROM、SPI/NOR/NAND/SPI NAND FLASH、Microcontroller、eMMC、eMCP、SD Card、CPLD、FPGA, etc
2. Support DIP、SOP、SSOP、 TSOP、PLCC、QFN、LQFP、BGA package, etc
3. Regular device update

● **Software supports NAND FLASH skip Bad Block and partition programming**

● **Able to perform stand alone programming when programming SPI/NOR FLASH and eMMC**

User can use Dediware software to generate work project and store it in the memory card. Then, ProgMaster-U8 can work with LCD Keypad to perform stand alone programming and no need to be connected to PC.

● **Each PC can connect unlimited number of ProgMaster-U8 at the same time**

● **Provide remote control API**

User can use 3rd party software to control the programmer through Windows command line

● **Especially designed for the purpose of mass production to increase throughput**

1. User directly presses Start button to execute programming after loading work project；avoid human errors like loading wrong file and selecting wrong IC
2. 3 advanced working modes：
   A. Manual Start Mode：Press "Start Button" to execute programming after inserting IC in all sockets.
   B. Auto-Socket Start Mode：Each socket works independently. Programming is executed instantly after inserting IC to socket.
   C. Auto-Cartridge Start Mode：Programming automatically starts when inserting IC in all sockets.

Multiple-ProgMaster-U8

Support
different IC packages

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Specification

Architecture	ARM and FPGA architecture with high density SDRAM
Supported IC	EEPROM、SPI/NOR/NAND/SPI NAND FLASH、Microcontroller、eMMC、eMCP、 SD Card、CPLD、FPGA
Hardware Interface	1. Start button 2. LED power indicator 3. Pass/Busy/Error LED
Socket Adaptor	DIP、SOP、SSOP、TSOP、PLCC、QFN、LQFP、BGA… etc.
Communication	High speed USB2.0：480MB/s
Stand Alone Mode	Work with LCD Keypad to program SPI/ NOR FLASH、eMMC without PC
Ram Buffer	2Gb RAM
External Memory Card	64GB SD Card
Hardware Protection	1. Auto diagnose hardware function when power on 2. Overheat、overvoltage、under current and ESD protections
Dimension & Weight	1. Dimension：285mm x 165mm x 53mm 2. Weight：1.51 Kg
External Power	Input：100~240V AC Frequency：50/60Hz Consumption：15V*3A (45W)
Operation Environment	Altitude：>5000m Humidity：20~70% Temperature：+5℃~+40℃

Software

Programming Software **Programing Function** **File Type Supported** **PC System Requirements**	DediWare Engineer & DediWare Production Blank check、Erase、Program、Verify、Read Checksum、Edit、Compare Binary、Hex、Intel、Motorola、ROM、Tekhex、Extended Tekhex、ASCII…, etc Windows XP/Vista/7/8 32/64bit
Standard Accessories	1. ProgMaster-U8 *1 4. 32GB SD Memory Card *1 2. USB Cable *1 5. CD-ROM (Include Dediware software and user manual) *1 3. Power Cable *1
Optional Accessories	1. Socket Adaptor 2. 64GB SD card 3. LCD Keypad