ProgMaster-U8/U4

Universal Gang Programmer (8 or 4 Programming Sites)

ProgMaster-U8/U4 are universal gang programmers with ultra high speed which supports all IC families on the market.

Equipped with 8 or 4 programming sites and LCD keypad that allows stand-alone function. ProgMaster-U Series has been designed and optimized to reach IC maximum performances without compromise on the programming quality, stability and reliability and making it the best value for mass production.

Features

High Speed Programming

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

MX25L1655D -- **8s**	S34ML01G200T --- **48s**
S29GL064S --- **16s**	STM32F302CCT --- **9s**

Support all kinds of IC families and pacakges

1. IC Families: EEPROM, MCU, SPI NOR/NAND Flash, Parallel NOR/NAND Flash, eMMC/eMCP, CPLD, FPGA, etc.
2. IC Packages: DIP, SOP, SSOP, TSOP, PLCC, QFN, BGA, etc.
3. Regular software update

Software supports NAND FLASH Bad Block Skip and partition programming

Built-in memory card slot for project programming

Able to save project file to SD card for more stable and faster transmission.

One computer can connect to multiple ProgMaster-U8 or ProgMaster-U4 at the same time (Same Model)

Standalone function allows you to program without a computer and only need to select and start the project programming through LCD keypad

Exclusive design for productivity improvement

1. You can start programming once the project file is loaded; which will avoid importing the inccorect image file or IC model.
2. Three kinds of programming modes:
   A. Manual Mode: Place IC, then press "start button" to begin.
   B. Auto Detection: Once the programmer has detected the IC after it has been placed into the socket adaptor, it will automatically start programming.
   C. Handler Mode: This is for DediProg's automation systems.
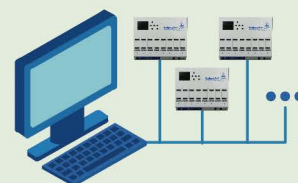
ProgMaster with Hand Press Fixture	Support standalone function	Support all IC socket kinds	PC can connect to multiple ProgMaster-U8 or U4

Specification

Hardware

Architecture	ARM and FPGA architecture with high density SDRAM
Internal Buffer	2Gb RAM
External Memory Card	32GB SD card
Protection Feature	1. Auto diagnose hardware function when power on 2. Overheat, overvoltage, under current and ESD protection
Programming Interface	Socket adaptor
Support IC Category	EEPROM, MCU, SPI NOR/NAND FLASH, Parallel NOR/NAND FLASH, CPLD, FPGA, eMMC/eMCP, etc.
Support IC Package	DIP, SOP, SSOP, TSOP, PLCC, QFN, BGA, etc.
Operation Interface	1. Start button 2. LED power indicator 3. Pass/Busy/Error LED lights 4. LCD control keypad (For stand-alone)
PC Connection Interface	High speed USB 2.0: 480MB/s

Software

Operating Software	Dediware
Operating System	Windows XP/Vista/7/8/8.1/10, both 32-bit and 64-bit
Support File Format	Binary, ROM, Intel Hex, Motorola S19, Jed, TXT, etc.
Programming Mode	Engineering Mode and Production Mode
Engineering Mode	1. IC selection and image file loading 2. IC Erase, Blank check, Program, and Verify 3. IC configuration and batch setting 4. Serial number or unique key programming setting 5. Project file operation
Production Mode	1. Program all sites in parallel 2. Count all PASS/ERROR amount 3. Output project execution report automatically
Others	1. IC information, checksum information 2. Programming/duplicating status of each site 3. Extra scan bad block function for NAND Flash IC 4. Automated save log in PC 5. Command line to load and execute project file 6. Display in English, Simplified Chinese or Traditional Chinese language

Power

Input: AC 100~240V
Frequency: 50/60Hz
Consumption: DC 15V x 3A (45W)

Dimension (W x D x H)

285 x 235 x 53mm

Weight

2kg

Standard Package

ProgMaster-U8

1. ProgMaster-U8 x 1
2. USB Cable x 1
3. Power Cable x 1
4. 32GB SD Memory Card x 1
5. CD-ROM (Include Dediware software & user manual) x 1

ProgMaster-U4

1. ProgMaster-U4 x 1
2. USB Cable x 1
3. Power Cable x 1
4. 32GB SD Memory Card x 1
5. CD-ROM (Include Dediware software & user manual) x 1

Optional Accessories

1. Socket Adaptors
2. 64GB SD Memory Card

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