

# ProgMaster-U4

## Universal Gang Programmer

### ProgMaster-U4

is a new generation universal gang programmer with ultra high speed which supports all IC families on the market. Equipped with 4 programming sites with a LCD keypad that allows stand-alone function. ProgMaster-U4 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):

<u>MX25L1655D</u>	<u>8s</u>	<u>S34ML01G200T</u>	<u>48s</u>
<u>S29GL064S</u>	<u>16s</u>	<u>STM32F302CCT</u>	<u>9s</u>

#### ● Support all kinds of IC families and packages

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-U4 at the same time

#### ● Stand-alone 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; it will also avoid the human errors as importing the project file or the IC models.
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 in the socket adaptor, it will automatically start to program.
  - C. Handler Mode: This is for DediProg automation systems.



Support stand-alone function



PC can connect to multiple ProgMaster-U4



Support all IC socket kinds



**Dediprog  
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### Specification

Architecture	ARM and FPGA architecture with high density SDRAM
Supported IC	EEPROM, MCU, SPI NOR/NAND FLASH, Parallel NOR/NAND FLASH, CPLD, FPGA, eMMC/eMCP...etc.
Hardware Interface	1. Start button 2. LED power indicator 3. Pass/Busy/Error LED lights 4. LCD control keypad (For stand-alone)
Socket Adaptor	DIP, SOP, SSOP, TSOP, PLCC, QFN, BGA...etc.
Communication	High speed USB2.0: 480MB/s
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 protection
Dimension & Weight	1. Dimension: 285mm x 235mm x 53mm 2. Weight: 1.99kg
External Power	Input: 100~240V AC Frequency: 50/60Hz Consumption: 15V*3A (45W)
Operation Environment	Humidity: 20%~70% Temperature: +5°C~+40°C
Software	
Programming Software	Dediware Software
Programing Function	Blank Check, Erase, Program, Verfiy, Read, Edit, Compare...etc.
File Type Supported	Binary, ROM, Intel Hex, Motorola S19, Jed, TXT...etc.
PC System Requirements	Windows XP / Vista / 7 / 8 / 8.1 / 10, both 32-bit and 62 bit
Standard Accessories	1. ProgMaster-U4 *1 2. USB Cable *1 3. Power Cable *1 4. 32GB SD Memory Card *1 5. CD-ROM (Include Dediware software and user manual) *1
Optional Accessories	1. Socket Adaptor 2. 64GB SD card

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