

# NuProg-E2

Engineering Universal Programmer

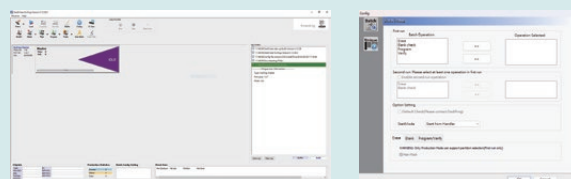
[www.dediprog.com](http://www.dediprog.com)



NuProg-E2 is an universal engineering programmer. Widely supports most IC types on the market, UFS, eMMC, MCU, CPLD, FPGA, SPI NOR, SPI NAND, Parallel NOR, Parallel NAND and EEPROM, etc. And also support different types of IC packages: CSP, BGA, QFN, QFP, SOP, TSOP, SSOP, PLCC, DIP, etc. Designed FPGA kernel architecture supplies ultra high speed programming performance. The Programming project and sockets are compatible with NuProgPlus. Together with built-in SuperSpeed® USB 3.0 for high-speed communication, it is an efficient tool for you to focus on application analysis and product development.

**Support UFS 4.0**

**Windows GUI Interface**



## Features

### High Speed Programming

Built in high speed processor to achieve high programming speed.

### Support USB 2.0 and USB 3.0 (Using Power Adapter)

### Support Various Storage IC

UFS, eMMC, MCU, SPI NOR, SPI NAND, Parallel NOR, Parallel NAND, EEPROM, CPLD, FPGA

### Support All IC Package

CSP, BGA, QFN, QFP, SOP, TSOP, SSOP, PLCC, DIP, etc.

### Support various file format:

Binary (bin/rom), Intel Hex (h16/h20/hex), Motorola S19(mhx/mot/s19/srec) and specific of MCU IC.

### Support UFS/UMCP and eMMC/eMCP Programming

UFS (V2.x/V3.x/V4.0) part

- ① Support Descriptors, Attributes, and Flags Setting.
- ② Support LUN configured and advance setting.

eMMC part

- ① Support User Area, Boot1/2 Partition, and Extend CSD.
- ② Support RPMB, GPP1~4, and Enhanced mode.

### Regular software update

Programming project and sockets are compatible with NuProgPlus.

Support Windows 7/8/8.1/10/11



# Specification

## Hardware

Architecture	ARM and FPGA architecture with high density SDRAM
Protection Feature	Overcurrent and ESD protections
Vcc Range	1.6~5V
Vcc Current Limit	~300mA
Vpp Range	1.6~12V
Vpp Current Limit	~100mA
Programming Interface	Socket adaptor
Support IC Category	UFS, eMMC, MCU, CPLD, FPGA, SPI NOR, SPI NAND, Parallel NOR, Parallel NAND, and EEPROM, etc.
Support IC Package	CSP, BGA, QFN, QFP, SOP, TSOP, SSOP, PLCC, DIP, etc.
Operation Interface	Busy/Pass/Error LED
PC Connection Interface	High speed USB 3.0

## Software

Operating Software	Dediware
Operating System	Windows XP/Vista/7/8/8.1/10/11
Support File Format	Binary, Intel Hex, Motorola, ROM, etc.
Programming Mode	Engineering Mode
Engineering Mode	<ol style="list-style-type: none"> <li>1. IC selection and image file loading</li> <li>2. IC Erase, Blank check, Program, and Verify</li> <li>3. IC configuration and batch setting</li> <li>4. Serial number or unique key programming setting</li> <li>5. Project file operation</li> </ol>
Others	<ol style="list-style-type: none"> <li>1. IC information, checksum information</li> <li>2. Extra scan bad block function for NAND Flash IC</li> <li>3. Automated save log in PC</li> <li>4. Display in English, Simplified Chinese or Traditional Chinese</li> </ol>

## Weight

150g

## Power

USB 5V or DC 5V

## Standard Package

1. NuProg-E2 x1
2. USB 3.0 Cable x 1
3. AC 100-240V to DC 5V/1A Power Supply x1

## Dimension (W x D x H)

135 x 91 x 30mm

## DediProg Technology Co., Ltd.

Taiwan Headquarter  
T/ 886-2-2790-7932  
E/ sales@dediprogram.com

U.S.  
T/ 1-909-274-8860  
E/ america@dediprogram.com

China  
T/ 86-21-5160-0157  
E/ sales@dediprogram.com.cn

Vietnam  
T/ 84-396-773-868  
E/ sales@dediprogram.com

Korea  
T/ 82-31-275-3838  
E/ korea@dediprogram.com

India  
T/ 91-96268-18018  
E/ india@dediprogram.com

Malaysia  
T/ 607-360-9719  
E/ sales@dediprogram.com

Europe  
E/ europe@dediprogram.com

Thailand  
E/ sales@dediprogram.com

Japan  
E/ japan@dediprogram.com

Mexico  
E/ america@dediprogram.com