K110

Serial Flash and EEPROM Programmer

K110 is an engineering IC programmer that supports the majority Flash ICs on the market. Powered by USB port and does not need external power, also provides Command Line for software redevelopment. Palm size and space saving. It provides online or offline Flash IC programming through different adaptor.

K110 offers user the best solution for development and low volume production.

Features

High speed programming

Built in high speed processor to achieve high programming speed.

IC Type	IC P/N	Data Size	P+V Time (sec)	
			Engineering mode	Standalone mode
SPI NOR	W25Q64FV	8MB	16	19
	GD25Q128B	16MB	46	52
SPI NAND	GD5F2GQ4UB	128KB	100	113

Support serial bus storage IC and package type.

- SPI NOR Flash, SPI NAND Flash, and EEPROM.
- SOP, WSON, USON, and BGA.

Support Serial Interface Protocol

SPI, I²C, and uWire.

Support a variety of file formats

Binary, Intel Hex, Motorola, and ROM, etc.

Support Command Line

Provide Command line for software redevelopment.

Support Standalone mode

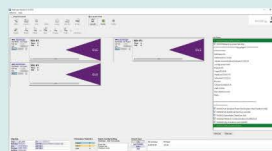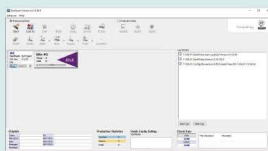IC programming without PC.

ATE Port

With ISP adaptor, provide Busy/Pass/Error and Start pins for remote control.

Support 1.2V low voltage IC

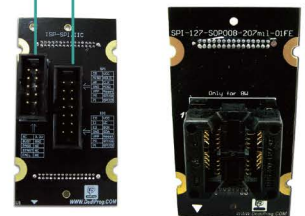### Multiple programmers support to program IC in parallel

Window GUI

Multiple K110

Hardware

Architecture	ARM and FPGA architecture
Internal Buffer	256MB
Protection Feature	Overcurrent and ESD protections
Vcc Range	1.2~3.6V
Vcc Current Limit	~200mA
Programming Interface	ISP Adaptor or IC Socket Adaptor
Support IC Category	SPI NOR Flash, SPI NAND Flash, and EEPROM
Programming Protocol	SPI, I²C, and uWire
Operation Interface	Busy/Pass/Error LED, Start key
PC Connection Interface	The programmer provides a USB 2.0 interface. The ATE interface is provided by the ISP adaptor.

Software

Operating Software	Dediware
Operating System	Windows XP/Vista/7/8/8.1/10
Support File Format	Binary, Intel Hex, Motorola, and ROM, 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. Count all PASS/ERROR amount
	2. Output project execution report automatically

ATE Port   ISP

Socket Adaptor

Special Features

1. IC programming with multiple K110 programmers.
2. Serial number programming (PC is required)
3. Unique key file programming (PC is required)
4. Log data output to file automatically (PC is required)

Power

USB 5V or DC 5V

Dimension (W x D x H)

108 x 67 x 20mm

Weight

70g

Standard Package

1. K110 IC Programmer x 1
2. USB Cable x 1
3. AC 100~240V to DC 5V/1A Power Adaptor x 1
4. SPI/IIC ISP Adaptor with ISP Cable x 1
5. CD-ROM (Include Dediware and User Manual) x 1

Recommended Accessories

1. SPI/IIC DIP ISP Adaptor
2. uWire ISP Adaptor
3. EE100 10-Pin ISP Split Cable (2.00mm)
4. EE100 10-Pin ISP Split Cable (2.54mm)
5. EE100 ISP Cable
6. EE100 ISP Testclip (SO8)