K110

SPI NOR/SPI NAND, and EEPROM IC Programer

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.

Programming Speed (P + V):

IC Type	IC P/N	Data Size	P+V Time (sec) Engineering Mode	P+V Time (sec) Standalone Mode
SPI NOR	W25Q64FV	8MB	16	19
	GD25Q128B	16MB	46	52
SPI NAND	GD5F2GQ4UB	128MB	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 Stand-alone mode**

▌ IC programming without PC.

◆ **ATE Port**

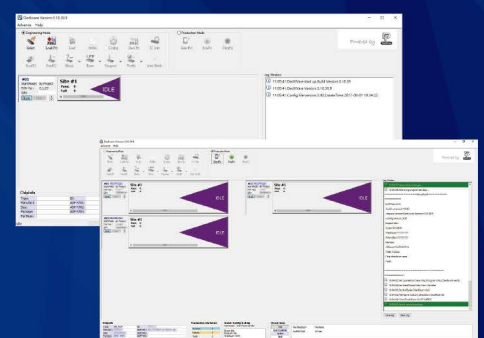▌ With ISP adaptor, provide Busy/Pass/Error and Start pins for remote control.

◆ **Support 1.2V low voltage IC.**

◆ **Multiple programmers support to program IC in parallel.**

Command Line

Graphical User Interface

Hardware

Architecture	ARM and FPGA architecture
Programming Adaptor	ISP adaptor or socket adaptor
Programming Protocol	SPI, I²C, and uWire.
Communication Interface	USB 2.0 in the programmer and ATE port on ISP adaptor.
Built-in Buffer	256MB
Operation Interface	Busy/Pass/Error LED indicators and Start Button.
Hardware Protection	Overcurrent and ESD protection
Vcc	1.2~3.6V
Current Limitation on Vcc	200mA
Supported IC Type	SPI NOR Flash, SPI NAND Flash, and EEPROM.

ATE Port

ISP

ISP Adaptor   IC Socket Adaptor

Software

Operation Software	Dediware
Supported OS	Windows XP/Vista/7/8/8.1/10
Supprted File Type	Binary, Intel Hex, Motorola, ROM.
Programming Functions	Erase, Blank Check, Program, Verify, Option/Protection.
Extra Functions	a. IC programming with multiple K110 programmers. b. Serial number programming (PC is required) c. Unique key file programming (PC is required) d. Log data output to file automatically (PC is required)

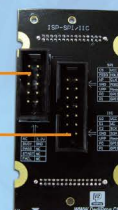|	
Power	USB 5V or DC 5V
Dimension	108mm*67mm*20mm
Weight	70g

Standard Accessories

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