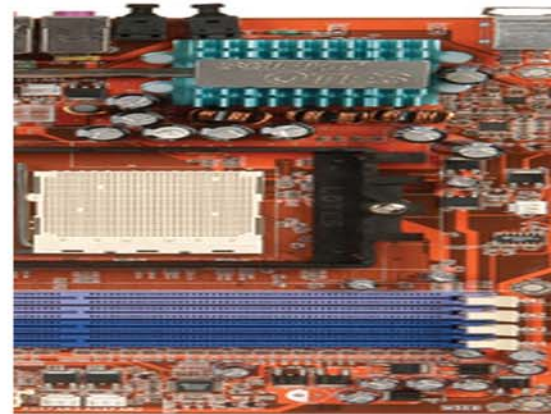
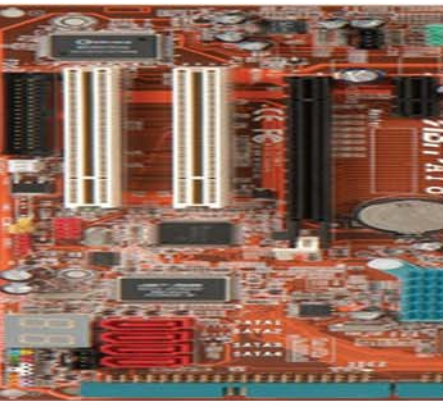


**Programmer/copier for i2C EEPROMs 24/25/93xx, SPI FLASHs 25/26xx, HCS microchip, MCU Atmel, DataFlash on USB port, ZIF16 socket**



# SkyPro



## **Introduction:**

SKYPRO supports more than 700 components among EEPROMs 24xxx/25xxx/93xxx and SPI FLASHs 25xxx/26xxx from several manufacturers. It can also program ATMEL ATmega microcontrollers, Data Flash AT45DBxxx and HCS rolling code. Bases on ARM Cortex CPU32 and connected to an USB port, the programming speed is very fast. It can operate in stand-alone mode to copy directly a memory on another one by inserting the two components on the ZIF16 socket, (off line chip copy). This programmer does not require any external power supply because it is powered by the USB port. The software allows to read, erase, copy, write, verify components. It has a mass production mode and auto detect chip mode for SPI FLASHs 25xxx serie. Support for Windows XP / VISTA / 7 / 8 / 10 (32 and 64 bits).

## **Features:**

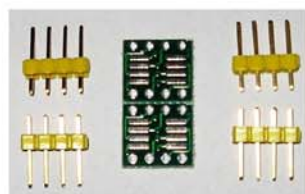
Accepts standard file formats: BINARY, INTEL (Extended) HEX, ROM, Read / Write / Blank-Check Write / Verify / Blank-Check / Copy / Erase functions.  
Support low voltage devices from 2,5V to 5,0V.  
Support auto detect chip mode for 25Lxxx chips.  
Support stand-alone mode to copy directly a memory on another one by inserting the two components on the ZIF16 socket.  
Support mass production mode.  
Supports Windows 98 / ME / 2000 / XP / VISTA / Windows 7 / Windows8 / Windows10 (32bit and 64bit).

## **Hardware & Electrical specifications:**

Dimensions package : 188 x 115 x 34mm, Weight : 195g  
Power supply on USB port.  
Interface : connect to laptop or PC through USB port (USB 1.1, 2.0 or higher).

## **Item includes:**

Programmer with zif16 socket.  
PCB socket for SMD chips.  
AVR ISP cable.  
AVR ISP adapter.  
USB cable type A-B.  
Software on CD-ROM.  
User manual in English and French.



↓ **Devices list programmed below** ↓

[www.seeit.fr](http://www.seeit.fr)



## DEVICES LIST SKYPRO

Push "CTRL + F" keys to find a component

EEPROMs I2C / FLASHs SPI programmer

Version 1.20

Manufacturers	HCSxxx						
MICROCHIP	HCS101	HCS200	HCS201	HCS300	HCS301	HCS320	HCS360
	HCS361						

Manufacturers	EEPROM 24xxx						
ATMEL	AT24C01	AT24C01A	AT24C01B	AT24C02	AT24C02A	AT24C02B	AT34C02D
	AT24C04	AT24C04A	AT24C04B	AT34C04	AT24C08	AT24C08A	AT24C08B
	AT24RF08C	AT24C16	AT24C16A	AT24C16B	AT24C32	AT24C32A	AT24C32B
	AT24C64	AT24C64A	AT24C64B	AT24C128	AT24C128A	AT24C128B	AT24C256
	AT24C256A						
	AT24C256B	AT24C512	AT24C512A	AT24C512B	AT24C1024	AT24C1024A	AT24C1024B
CATALYST	CAT24C01	CAT24C02	CAT24C04	CAT24C08	CAT24C16	CAT24C32	CAT24C64
	CAT24C128	CAT24C256	CAT24C512	CAT24C1024			
CORIGHT	24C01	24C02	24C04	24C08	24C16	24C32	24C64
	24C128	24C256	24C512	24C1024			
FAIRCHILD	FM24C01	FM24C02	FM24C03	FM24C04	FM24C05	FM24C08	FM24C09
	FM24C16	FM24C17	FM24C32	FM24C64	FM24C128	FM24C256	FM24C512
	FM24C1024						
HOLTEK	HT24C01	HT24LC01	HT24C02	HT24LC02	HT24C04	HT24LC04	HT24C08
	HT24LC08	HT24C16	HT24LC16	HT24C32	HT24LC32	HT24C64	HT24LC64
	HT24C128	HT24LC128	HT24C256	HT24LC256	HT24C512	HT24C1024	
ISSI	IS24C01	IS24C02	IS24C04	IS24C08	IS24C16	IS24C32	IS24C64
	IS24C128	IS24C256	IS24C512	IS24C1024			
MICROCHIP	24AA00	24FC00	24LC00	24AA01	24FC01	24LC01	24AA02
	24FC02	24LC02	24AA04	24FC04	24LC04	24AA08	24FC08
	24LC08	24AA16	24FC16	24LC16	24AA32	24FC32	24LC32
	24AA64	24FC64	24LC64	24AA128	24FC128	24LC128	24AA256
	24FC256	24LC256	24AA512	24FC512	24LC512	24AA1026	24FC1026
	24LC1026						
	NSC	24C02	24C02L	24C64			
	NXP	PCA24S08					
RAMTRON	FM24C04A	FM24CL04	FM24C16A	FM24CL16	FM24C64	FM24CL64	FM24C256
	FM24CL256	FM24C512					
ROHM	BR24C01	BR24L01	BR24C02	BR24L02	BR24C04	BR24L04	BR24C08
	BR24L08	BR24C16	BR24L16	BR24C32	BR24L32	BR24C64	BR24L64
SANYO	LE26CAP08						
ST	M24C01	ST24C01	M24C02	ST24C02	M24C04	ST24C04	M24C08
	ST24C08	M24C16	ST24C16	M24C32	ST24C32	M24C64	ST24C64
	M24128	M24256	M24512	M24M01	M24M02		
XICOR	X24C01	X24C02	X24C04	X24C08	X24C16		

Manufacturers	EEPROM 25xxx						
ATMEL	AT25010	AT25020	AT25040	AT25080	AT25160	AT25320	AT25640
	AT25128	AT25256	AT25512				
CATALYST	CAT25C01	CAT25C01P	CAT25C01S	CAT25C01U	CAT25C02P	CAT25C02S	CAT25C02U
	CAT25C03P	CAT25C03S	CAT25C03U	CAT25C04P	CAT25C04S	CAT25C04U	CAT25C05P
	CAT25C05S	CAT25C05U	CAT25C08P	CAT25C08S	CAT25C08U	CAT25C09P	CAT25C09S
	CAT25C09U	CAT25C16P	CAT25C16S	CAT25C16U	CAT25C17P	CAT25C17S	CAT25C17U
	CAT25C32P	CAT25C32S	CAT25C33P	CAT25C33S	CAT25C64P	CAT25C64S	CAT25C65P
	CAT25C65S	CAT25C128P	CAT25C128S	CAT25C256P	CAT25C256S		
CORIGHT	25C01	25C02	25C040	25C080	25C160	25C320	25C640
	25C128	25C256					
MICROCHIP	25AA040	25C040	25LC040	25AA080	25C080	25LC080	25AA160
	25C160	25LC160	25AA320	25C320	25LC320	25AA640	25C640
	25LC640	25AA128	25LC128	25AA256	25LC256		
RAMTRON	FM25L04	FM25C160	FM25L16	FM25640	FM25CL64	FM25V01	FM25L256
	FM25V02	FM25V05	FM25V10	FM25V20			
ST	M95010	ST25C01	ST25W01	M95020	ST25C02	ST25W02	M95040
	ST25C04	ST25W04	M95080	ST25C08	ST25W08	M95160	ST25C16
	ST25W16	M95320	M95640	M95128	M95256	M95512	M95M01
	M95M02						
TEXAS INSTRUMENTS	TI2532	TI2532A	TI2564				
XICOR	X25010	X25020	X25040	X25080	X25160	X25320	X25640
	X25128	X25256	X25512				

Manufacturers	EEPROM 93xxx						
<b>ACE</b>	ACE93C46-16bit	ACE93C46-8bit					
<b>ASAHI KASEI (AKM)</b>	AK93C45A	AK93C55A	AK93C65A	AK93C75A			
<b>ATC</b>	AT93C56-16bit	AT93C56-8bit	AT93C66-16bit	AT93C66-8bit	AT93C86-16bit	AT93C86-8bit	
<b>ATMEL</b>	93C46-16bit	93C46-8bit	93C46A	93C46B	93C46C-16bit	93C46C-8bit	93C56-16bit
	93C56-8bit	93C56A	93C56B	93C56C-16bit	93C56C-8bit	93C66-16bit	93C66-8bit
	93C66A	93C66B	93C66C-16bit	93C66C-8bit	93C76-16bit	93C76-8bit	93C76A
	93C76B	93C76C-16bit	93C76C-8bit	93C86-16bit	93C86-8bit	93C86A	93C86B
	93C86C-16bit	93C86C-8bit					
<b>CATALYST</b>	CAT93C46-16bit	CAT93C46-8bit	CAT93C56-16bit	CAT93C56-8bit	CAT93C57-16bit	CAT93C57-8bit	CAT93C66-16bit
	CAT93C66-8bit		CAT93C86-16bit		CAT93C86-8bit		
<b>CORIGHT</b>	93C06	93C46-16bit	93C46-8bit	93C56-16bit	93C56-8bit	93C66-16bit	93C66-8bit
	93C76-16bit	93C76-8bit	93C86-16bit	93C86-8bit			
<b>EXEL:</b>	XL93C06	XL93C46	XL93C546	XL93LC46	XL93C56	XL93LC56	XL93C66
	XL93LC66						
<b>FAIRCHILD</b>	FM93C06	FM93C46	FM93C46A-16bit	FM93C46A-8bit	FM93C56	FM93C56A-16bit	FM93C56A-8bit
	FM93C66	FM93C66A-16bit	FM93C66A-8bit	FM93C86A-16bit	FM93C86A-8bit		
<b>HOLTEK</b>	HT93LC46-16bit	HT93LC46-8bit	HT93LC56-16bit	HT93LC56-8bit	HT93LC66-16bit	HT93LC66-8bit	
<b>ISSI</b>	IS93C46	IS93C46A-16bit	IS93C46A-8bit	IS93C56	IS93C56A-16bit	IS93C56A-8bit	IS93C66
	IS93C66A-16bit	IS93C66A-8bit	IS93C76A-16bit	IS93C76A-8bit	IS93C86A-8bit		
<b>MICROCHIP</b>	93C06	93AA46-16bit	93AA46-8bit	93C46-16bit	93C46-8bit	93C46A	93C46B
	93LC46-16bit	93LC46-8bit	93LC46A	93LC46B	93AA56-16bit	93AA56-8bit	93C56-16bit
	93C56-8bit	93C56A	93C56B	93LC56-16bit	93LC56-8bit	93LC56A	93LC56B
	93AA66-16bit	93AA66-8bit	93C66-16bit	93C66-8bit	93C66A	93C66B	93LC66-16bit
	93LC66-8bit	93LC66A	93LC66B	93AA76-16bit	93AA76-8bit	93C76-16bit	93C76-8bit
	93LC76-16bit	93LC76-8bit	93AA86-16bit	93AA86-8bit	993C86-16bit	93LC86-16bit	93LC86-8bit
	993C86-8bit						
<b>NSC</b>	93C06	93CS06	93C46	93CS46	93C56	93CS56	93C66
	93CS66		93C86	93CS86			
<b>ROHM</b>	BR93LC46	BR93LC46RF	BR93LC56	BR93LC56RF	BR93LC66	BR93LC66RF	
<b>SEIKO:</b>	S-93C46A	S-93C56A	S-93C66A				
<b>ST</b>	ST93C06	M93C46-16bit	M93C46-8bit	M93S46	M93S46R	M93S46W	ST93C46
	M93C56-16bit	M93C56-8bit	M93S56	M93S56R	M93S56W	ST93C56	M93C66-16bit
	M93C66-8bit	M93S66	M93S66R	M93S66W	ST93C66	M93C76-16bit	M93C76-8bit
	M93C86-16bit	M93C86-8bit					

Manufacturers	SPI FLASH 25xxx						
<b>ALTERA</b>	EPCS1	EPCS4	EPCS16	EPCS64	EPCS128		
<b>AMIC</b>	A25L05PT	A25L05PU	A25L512	A25L010	A25L10PT	A25L10PU	A25L020
	A25L20PT	A25L20PU	A25L040	A25L40P	A25L080	A25L80P	A25L016
	A25L16PT	A25L16PU	A25LQ16	A25L032	A25LQ032	A25LQ32A	A25LQ64
<b>ATMEL</b>	AT25F512	AT25F512A	AT25F512B	AT25F1024	AT25F1024A	AT25FS010	AT25DF021
	AT25F2048	AT25FS020	AT25DF041A	AT25F4096	AT25FS040	AT25SF041	AT26F004
	AT25SF081	AT26DF081A	AT25DF161	AT25SF161	AT26DF161	AT26DF161A	AT25DF321
	AT25DF321A	AT26DF321	AT25DF641				
<b>BERG</b>	BG25Q40A	BG25Q80A	BG25Q16A	BG25Q32A			
<b>CHINGIS</b>	Pm25LD256C	Pm25LD512	Pm25LD512C	Pm25LQ512A	Pm25LD010	Pm25LD010C	Pm25LQ010A
	Pm25LD020	Pm25LD020C	Pm25LQ020A	Pm25LD040	Pm25LD040C	Pm25LQ040A	Pm25LQ080
	Pm25LQ016	Pm25LQ032C					
<b>CORIGHT</b>	25P05	25P10	25P20	25P40	25P80	25P16	25P32
	25P64	25P128					
<b>EON</b>	EN25B05	EN25B05T	EN25F05	EN25LF05	EN25P05	EN25B10	EN25B10T
	EN25D10	EN25F10	EN25LF10	EN25P10	EN25B20	EN25B20T	EN25D20
	EN25F20	EN25LF20	EN25P20	EN25B40	EN25B40T	EN25D40	EN25F40
	EN25LF40	EN25P40	EN25B80	EN25B80T	EN25D80	EN25F80	EN25P80
	EN25Q80A	EN25T80	EN25B16	EN25B16T	EN25D16	EN25F16	EN25P16
	EN25Q16	EN25Q16A	EN25QH16	EN25T16	EN25B32	EN25B32T	EN25F32
	EN25P32	EN25Q32A	EN25Q32B	EN25QH32A	EN25B64	EN25B64T	EN25F64
	EN25P64	EN25Q64	EN25QH64	EN25F128	EN25Q128	EN25QH128A	EN25QH256
<b>ESMT</b>	F25L01PA	F25L02PA	F25L004A	F25L004AT	F25L04PA	F25L04UA	F25L008A
	F25L008AT	F25L08PA	F25L08QA	F25L016A	F25L016AT	F25L16PA	F25L16QA
	F25L32A	F25L32AT	F25L32PA	F25L32QA	F25L64QA		
<b>EXCELSEMI</b>	ES25P10	ES25P20	ES25M40	ES25M40A	ES25P40	ES25M80	ES25M80A
	ES25P80	ES25M16	ES25M16A	ES25P16	ES25P32		
<b>FM</b>	FM25F005	FM25F01	FM25F02	FM25F04	FM25FQ32		
<b>GIGADEVICE</b>	GD25Q512	GD25Q10	GD25Q20B	GD25Q21B	GD25Q40B	GD25Q41B	GD25Q80B
	GD25Q16B	GD25Q32B	GD25Q64B	GD25Q64C	GD25Q128C		
<b>MICRON</b>	M25P05	M25P10	M25P20	M25P40	M25P80	M25P16	M25P32
	N25Q032	N25Q032A	M25P64	N25Q064	N25Q064A	M25P128	N25Q128
	N25Q128A	N25Q256	N25Q256A				
<b>MXIC</b>	MX25L512	MX25V512	MX25L1005	MX25L2005	MX25L4005A	MX25V4005	MX25V4035
	MX25L8005	MX25V8005	MX25V8035	MX25L1605D	MX25L1606E	MX25L1633E	MX25L1635D
	MX25L3205D	MX25L3206E	MX25L3225D	MX25L3235D	MX25L3237D	MX25L6405D	MX25L6406E
	MX25L12805D	MX25L12835E	MX25L12845E	MX25L25635E	MX25L25735E		
<b>NEXFLASH</b>	NX25P10	NX25P20	NX25P40	NX25P80	NX25P16	NX25P32	
<b>PMC</b>	PM25LV512	PM25LV010	PM25LV020	PM25LV040	PM25LV080B	PM25LV016B	
<b>SAIFUN</b>	SA25F005	SA25F010	SA25F020	SA25F040	SA25F080	SA25F160	SA25F320
<b>SPANSION</b>	S25FL004A	S25FL008A	S25FL016A	S25FL116K	S25FL032A	S25FL132K	S25FL064A
	S25FL164K	S25FL128K	S25FL128S	S25FL256S	S25FL512S		
<b>SST</b>	SST25LF512A	SST25VF512	SST25VF512A	SST25LF010A	SST25VF010	SST25VF010A	SST25LF020A
	SST25VF020	SST25VF020A	SST25VF020B	SST25LF040A	SST25VF040	SST25VF040A	SST25VF040B
	SST25LF080A	SST25VF080	SST25VF080A	SST25VF080B	SST25VF016B	SST25VF032B	SST25VF064C
<b>ST</b>	M25P05	M25P05A	M25P10	M25P10A	M25PE10	M25P20	M25P20A
	M25PE20	M25P40	M25P40A	M25PE40	M25P80	M25P80A	M25PE80
	M25PX80	M25P16	M25PE16	M25PX16	M25P32	M25PX32	M25P64
	M25PX64	M25P128					
<b>WINBOND</b>	W25P10	W25X10	W25X10A	W25X10AL	W25X10L	W25P20	W25Q20
	W25X20	W25X20A	W25X20AL	W25X20L	W25P40	W25Q40	W25X40
	W25X40A	W25X40AL	W25X40L	W25P80	W25Q80	W25X80	W25X80A
	W25X80AL	W25X80L	W25P16	W25Q16	W25X16	W25P32	W25Q32
	W25X32	W25Q64	W25X64	W25Q128	W25Q256	W25M512JV	

Manufacturers	Data FLASH 45xxx						
<b>ATMEL</b>	AT45DB011D-bin	AT45DB011B	AT45DB011D	AT45DB021D-bin	AT45DB021B	AT45DB021D	AT45DB041D-bin
	AT45DB041B	AT45DB041D	AT45DB081D-bin	AT45DB081B	AT45DB081D	AT45DB161D-bin	AT45DB161B
	AT45DB161D	AT45DB321D-bin	AT45DB321B	AT45DB321D	AT45DB642D-bin	AT45DB642B	AT45DB642D

Manufacturers	Microcontrôleurs						
<b>ATMEL</b>	ATmega48A	ATmega48PA	ATmega8	ATmega8515	ATmega8535	ATmega88A	ATmega88PA
	ATmega16	ATmega162	ATmega163	ATmega165	ATmega168A	ATmega168PA	ATmega169
	ATmega169P	ATmega32	ATmega325	ATmega3250	ATmega328	ATmega328P	ATmega329
	ATmega3290	ATmega406	ATmega64	ATmega640	ATmega644	ATmega645	ATmega6450
	ATmega649	ATmega6490	ATmega128	ATmega1280	ATmega1281	ATmega1284P	ATmega2560
	ATmega2561						
<b>SILICON LABS</b>	C8051F340						