

EEPROM CH341A 24 25 Series Flash BIOS USB Programmer

1. Product Feature:

- ◆ The main purpose of the CH341A Programmer is to back up, erase, program, calibrate, and other actions on various software.
- ◆ Erase / programming speed is probably 2-3Mbit check every minute.
- ◆ Supports EEPROM 24 series ST, WINB IND, AMIC, MXIC, SST, SPANSION, EON, PMC, etc. & 25 series chips.
- ◆ Support most 24 / 25 Series EEPROM BIOS SOP8 SOP16 chips on the market. (Note: Due to the characteristics of the CH341A chip, the ESMT SST class 25 chip can only be read and cannot be written).
- ◆ Support 3 power supply modes: 5V external power supply; 3.3V external power supply; external power supply (requires 3.3V-5V).
- ◆ Original CH341A chip with stable performance. CH341A chip is used for USB communication which is faster than ordinary ATMEGA8.

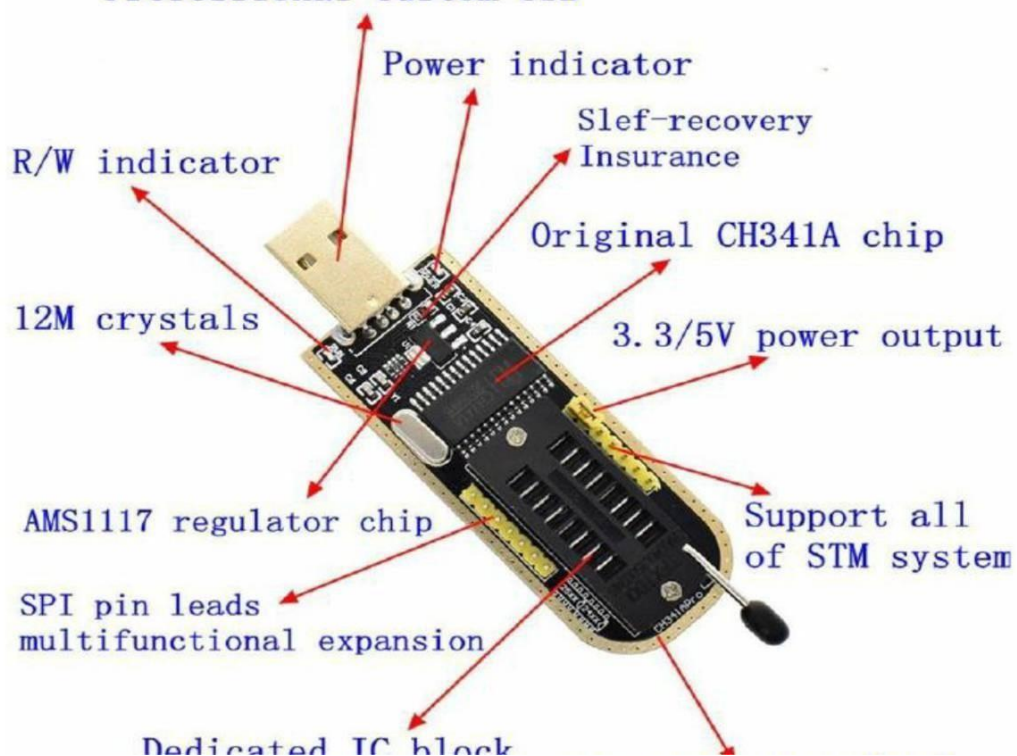
1. Product Functional Block Diagram:

Dedicated IC block

Immersion Gold(PCB)



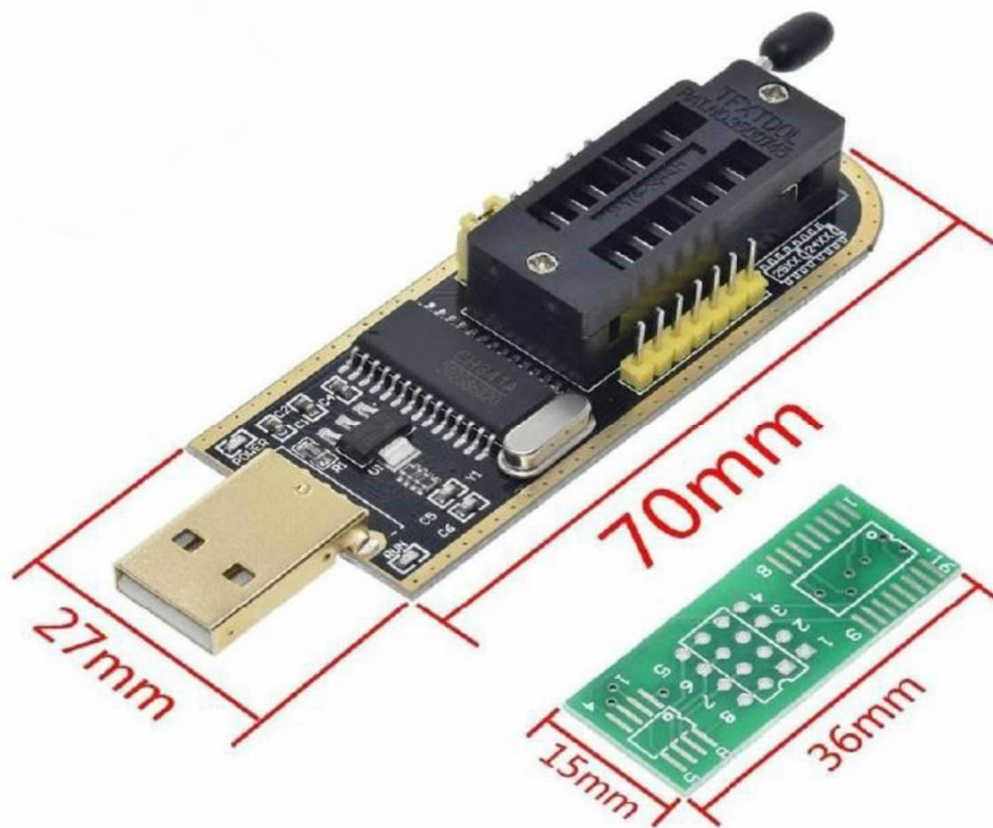
Professional custom USB



3.Usage Instructions:

- ◆ GND: Connect to GND
- ◆ RXD: connect to MCU.TX (signal flow: MCU.TX >> FT232 >> PC.RX)
- ◆ TXD: Connect to MCU.RX (signal flow: MCU.RX << FT232 << PC.TX)
- ◆ 3V3/5V: output 3.3V or 5V (the module is powered by USB, the jumper must be jumped to 3.3V or 5V)
- ◆ RTS: connect to MCU.CTS (signal flow: MCU.CTS << FT232 << PC.RTS) ◆
- CTS: connect to MCU.RTS (signal flow: MCU.RTS >> FT232 >> PC.CTS)

4.Dimensions:



6. Device List: PROGRAMMABLE BY THE CH341

AMIC:

A25L512	A25L05P	A25L10P	A25L010	A25L020	A25L20P	A25L40P	A25L040	A25L080
A25L80P	A25L016	A25L16P	A25L032					

ATMEL:

AT25F512	AT25F512B	AT25F512A	AT25FS010	AT25F1024	AT25F1024A	AT25F2048	AT25DF021	AT25F4096
AT25FS040	AT25DF041A	AT26F004	AT26DF081A	AT25DF161	AT26DF161	AT26DF161A	AT25DF321A	AT26DF321
AT25DF321	AT25DF641							

COMMON:

25X005	25X05	25X10	25X20	25X40	25X80	25X16	25X32	25X64
25X128	25X256	25X512	25X1024	25X2048				

EON:

EN25F05	EN25P05	EN25LF05	EN25F10	EN25LF10	EN25D10	EN25P10	EN25F20	EN25D20
EN25LF20	EN25F40	EN25D40	EN25LF40	EN25Q80	EN25D80	EN25F80	EN25P80	EN25T80
EN25B16T	EN25T16	EN25B16	EN25D16	EN25F16	EN25Q16	EN25P32	EN25Q32	EN25F32
EN25B32	EN25B32T	EN25Q64	EN25B64	EN25F64	EN25B64T	EN25F128	EN25Q128	

ES:

ES25P10 ES25P20 ES25M40A ES25M40 ES25P40 ES25M80 ES25M80A ES25P80 ES25M16 ES25M16A ES25P16 ES25P32

ESMT:

F25L04UA	F25L004A	F25L08PA	F25L008A	F25L016A	F25L16PA	F25L32QA	F25L32PA
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GIGADEVICE:

GD25Q512 GD25Q10 GD25Q20 GD25F40 GD25D40 GD25Q80 GD25D80 GD25T80 GD25F80 GD25Q16 GD25Q32 GD25Q64
GD25Q128

KH:
KH25L8036D

MXIC:
MX25V512 MX25L512 MX25L1005 MX25L2005 MX25L8035 MX25L4005A MX25V4035 MX25V4005 MX25V8005 MX25L8005 MX25L1635D
MX25L1605D MX25L1608D MX25L3235D MX25L3208D MX25L3237D MX25L3225D MX25L3205D
MX25L3206E MX25L6405D MX25L6455E MX25L6408DMX25L6406E MX25L6445E MX25L12805D MX25L12845E

NEXFLASH:
NX25P10 NX25P20 NX25P40 NX25P80 NX25P16 NX25P32

NSHINE:
MS25X05 MS25X10 NS25X20 NS25X40 MS25X80 MS25X16 MS25X32 MS25X64 MS25X128

PMC:
PM25LV512A PM25LV010A PM25LV020 PM25LV040 PM25LV080B PM25LV016B

SAIFUN:
SA25F005 SA25F010 SA25F020 SA25F040 SA25F080 SA25F160 SA25F320

SPANSION:
S25FL004A S25FL040A S25FL008A S25FL160 S25FL016A S25FL032A S25FL064A S25FL128P S25FL129P
S25FL128A

SST:
SST25VF512A SST25VF512 SST25VF010 ST25VF010A SST25VF020A SST25VF020 SST25VF040B SST25VF040A SST25VF040
SST25VF080B SST25VF016B SST25VF032B SST25VF064C

ST:
M25P05A M25PE10 M25P10A M25P20 M25PE20 M25PE40 M25P40 M25PE80 M25P80
M25PX80 M25PX16 M25P16 M25PE16 M25P32 M25PE32 M25PX32 M25PX64 M25PE64 M25P128 M25P64

WINBOND:
W25X10 W25X10L W25P10 W25X10AL W25X10A W25P20 W25X20AL W25X20A W25X20
W25X20L W25X40A W25P40 W25Q40BV W25X40L W25X40 W25X40AL W25Q80BV W25Q80V
W25X80 W25P80 W25X80A W25X80L W25X80AL W25P16 W25Q16BV W25Q16V W25X16
W25Q32BV W25Q32V W25X32 W25P32 W25Q64BV W25X64 W25Q128BV

===== 25\26 Family Device Support List=====

=====24 Family Device Support List=====

ATMEL:
AT24C01B AT24C01 AT24C01A AT24C02 AT24C02A AT24C02B AT24C04B AT24C04 AT24C04A
AT24C08A AT24C08B AT24C08 AT24C16 AT24C16A AT24C16B AT24C32B AT24C32A AT24C32
AT24C64 AT24C64A AT24C64B AT24C128 AT24C128A AT24C128B AT24C256B AT24C256 AT24C512B AT24C512A AT24C256A
AT24C512 AT24C1024 AT24C1024A AT24C1024B

CATALYST:
CAT24C01 CAT24WC01 CAT24WC02 CAT24C02 CAT24C04 CAT24WC04 CAT24WC08CAT24C08 CAT24WC16
CAT24C16 CAT24WC32 CAT24C32 CAT24WC64 CAT24C64 CAT24WC128 CAT24C128 CAT24WC256 CAT24C256
CAT24C512 CAT24WC512 CAT24C1024 CAT24WC1024

COMMON:

24C01 3V	24C01 5V	24C02 3V	24C02 5V	24C04 5V	24C04 3V	24C08 3V	24C08 5V	24C16 5V
24C16 3V	24C32 5V	24C32 3V	24C64 3V	24C128 5V	24C128 3V	24C256 5V	24C256 3V	24C512 5V
24C512 3V	24C1024 3V	24C1024 5V	24C2048 5V	24C2048 3V	24C4096 5V	24C4096 3V		

FAIRCHILD:

FM24C01L	FM24C02L	FM24C03L	FM24C04L	FM24C05L	FM24C08L	FM24C09L	FM24C17L	FM24C16L
FM24C32L	FM24C64L	FM24C128L	FM24C256L	FM24C512L				

HOLTEK:

HT24C01	HT24LC01	HT24C02	HT24LC02	HT24C04	HT24LC04	HT24C08	HT24LC08	HT24C16
HT24LC16	HT24LC32	HT24C32	HT24LC64	HT24C64	HT24C128	HT24LC128	HT24C256	HT24LC256
HT24LC512	HT24C512	HT24C1024	HT24LC1024					

ISSI:

IS24C01	IS24C02	IS24C04	IS24C08	IS24C16	IS24C32	IS24C64	IS24C128	IS24C256
IS24C512	IS24C1024							

MICROCHIP:

MIC24LC014	MIC24AA01	MIC24AA014	MIC24LC01B	MIC24LC02B	MIC24AA02	MIC24C02C	MIC24AA025	MIC24AA04
MIC24LC04B	MIC24LC024	MIC24AA024	MIC24LC025	MIC24LC08B	MIC24AA08	MIC24LC16B	MIC24AA16	MIC24LC32
MIC24AA32	MIC24LC64	MIC24FC64	MIC24AA64	MIC24FC128	MIC24AA128	MIC24LC128	MIC24AA256	MIC24LC256
MIC24FC256	MIC24AA512	MIC24LC512	MIC24FC512	MIC24AA1024				

NSC:

NSC24C02L	NSC24C02	NSC24C64
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RAMTRON:

FM24CL04	FM24C04A	FM24CL16	FM24C16A	FM24CL64	FM24C64	FM24C256	FM24CL256	FM24C512
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ROHM:

BR24L01	BR24C01	BR24L02	BR24C02	BR24L04	BR24C04	BR24L08	BR24C08	BR24L16
BR24C16	BR24L32	BR24C32	BR24C64	BR24L64				

ST:

ST24C01	ST24C02	ST24C04	ST24C08	ST24C16	ST24C32	ST24C64
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XICOR:

X24C01	X24C02	X24C04	X24C08	X24C16
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