UPA V1.3
Full set

UPA - USB V1.3

UPA V1.3 USB Programmer with full adaptors upa usb v1.3 auto Ecu main unit Diagnostic Tool

Description

New UPA USB Programmer with Full Adaptors

Language: English.
Hardware Version: V2014
Software Vesion: V1.3

UPA USB Programmer Description:
Device configuration is done over special config keys which make the work convenient and safe compared to wiring up all manually.

Additional packages can be covered by commonly available Adapters plugged into the 40 pin ZIF socket.

The main Device further includes a 10 pin ISP connector where the included ISP Adapters can be connected using a standard 1:1 flatribbon cable (included). The included PLCC ISP Adapters are to be put directly over the soldered chip of the target device making the work convenient and safe compared to soldering or using clips connecting up all manually. (Power from the UUSP to the ISP target can be enabled or disabled by a jumper next to the 10 pin ISP connector)

UPA-USB Device Programmer V1.3 Update Info:

Added MC9S12HY64/HA32 support
Added Serial Flash memory support: A25L512/010/020/040/080/016/032, SST25VF512A/010A/020B/040B/080B/016B/032B, S25FL004A/008A/016A/032A/064A
Added 24C1024, 24C1025 support
Added Bulk erase data memory to PICs 16F913-7/946, 12F629/675
Added script function GetPage
Added script function AutoBaudRateDevice (hc08 devices only)
Added script function GetProgrammerFrameChildCtrl(AChildCtrlName: string): TControl
Added script function EnablePicMemoryAreas (AProgram, AID, AConfig, ACalibration, AEEPROM: boolean): boolean;
Fixed bug with script functions ProgramDevice, ReadDevice ... when used with PICs
Fixed bug with SetHC08SecurityBytes (SecBytes: string) function
Fixed bug with 68hc11 reading if Oscillator is not set to Auto
Updated script example files
The software is digitally signed
USB driver upausb.sys is digitally signed
EEproms

Simply connect the mainboard to the UPA programmer directly or by using a DB9 male / female extension cable (1:1). Insert the correct config key into the slot of the mainboard and start programming either via the ZIF or SOIC Socket. You can also use the included DIL to 10pin Flat-ribbon header, put it inside the ZIF socket and wire up an SOIC clip or clamps for ISP use from there.

Motorola MCU's

Pick the Adapter you want to use, attach the flat cable to the Adapter (PIN1 is always indicated, on both the cable and also the Adapter) and also to the main board's 10pin ISP connector. Select the VCC supply source by the jumper on the mainboard next to the ISP connector (on = target supplied from upa, off = target got own supply). Slide the Adapter over the soldered PLCC MCU on the target PCB. (No soldering, no pinout reviewing, no pin counting, saves lots of time and hassle and let's you make your job faster, precise and easier)

Once your workshop is equipped with our Adapter Set you will have a all new UPA Experience.

STMicroelectronics ST62*:

ST6240, ST6245, ST6249

NSC CR16*: CR16HCS5(9), CR16MCS5(9), CR16MES5(9), CR16MFS5(9), CR16MCT5/9, CR16HCT5/9

Motorola HC05*: MC68HC05B6, MC68HC05B8, MC68HC05B16, MC68HC705B16, MC68HC05B32, MC68HC05E6, MC68HC705E6, MC68HC05H12, MC68HC05L28, MC68HC05P3, MC68HC705P3*, MC68HC05X16, MC68HC05X32

Motorola HC08*: MC68HC08AS20, MC68HC08AS32, MC68HC08AS60, MC68HC08AZ32, MC68HC(9)08AZ32A, MC68HC908AZ60, MC68HC908AZ60A

Motorola HC11*: MC68HC11A1, MC68HC11A8, MC68HC11E9, MC68HC11EA9, MC68HC11E20, MC68HC11F1, MC68HC11K4, MC68HC11KA2, MC68HC11KA4, MC68HC11KG4, MC68HC11KS2, MC68HC11KS8, MC68HC11L6, MC68HC11P2, MC68HC11PA8, MC68HC11PH8

Motorola HC12*: MC68HC912B32, MC68HC912BE32, MC68HC912D60, MC68HC912D60A, MC68HC912DC128A, MC68HC912DG128, MC68HC912DG128A

Motorola HCS12*: MC9S12D64, MC9S12A128, MC9S12DG128, MC9S12DG256, MC9S12H128, MC9S12H256

Atmel 8051 Architecture: AT89S51, AT89S52, AT89S53, AT89S8252, AT89S8253

Atmel AVR 8-Bit Risk: AT90S1200, AT90S2313, AT90S2323, AT90S2333, AT90S2343, AT90S4433, AT90S4434, AT90S8515, AT90S8535, ATmega8, ATmega16, ATmega161, ATmega162, ATmega163, ATmega323, ATmega64, ATmega103, ATmega128, ATtiny12, ATtiny15, ATtiny2313

Microchip PIC12: PIC12F508, PIC12F509, PIC12F629, PIC12F675

Microchip PIC16: PIC16F627(A), PIC16F628(A), PIC16F648A, PIC16F72, PIC16F73, PIC16F74, PIC16F76, PIC16F77, PIC16F818, PIC16F819, PIC16F83, PIC16F84(A), PIC16F870, PIC16F871, PIC16F872, PIC16F873(A), PIC16F874(A), PIC16F876(A), PIC16F877(A)

EEPROMs I2C: 24C01, 24C02, 24C04, 24C08, 24C16, 24C32, 24C64, 24C65, 24C128, 24C256, 24C512, 85C72, 85C82, 85C92, BAW574252, GRM-003, GRM-004, GRM-005, KKZ-06F, MCM2814, PCA8581, PCF8581, PCF8582, PCF8594, PCF8598, PCF85102, PCF85116, SDA2516, SDA2526, SDA2546, X24C00, X24C01

EEPROMs Microwire: 7002, 93C06, 93C14, 93C46, 93C56, 93C57, 93C66, 93C76, 93C86, 93S46, 93S56, 93S66, GRN-001, GRO-002, KKZ-01, S220, S2914, ST61907, XLS93C46

EEPROMs SPI: M35080, 25C010, 25C020, 25C040, 25C080, 25C128, 25C160, 25C256, 25C320, 25C640, M25P05, M25P10, M25P20, M25P40, M25P80, ST95010, ST95020, ST95040, ST95080, ST95160, ST95320, ST95640, ST95P02, ST95P04, ST95P08, X5043, X5045

EEPROMs Miscellaneous: CXK1011, CXK1012, CXK1013, M6M80011, M6M80021, M6M80041, SDE2506, TC89101, TC89102

*EEPROM Only

NEC ..uDP780828A uDP780948 uDP780949 uDP780973 uDP780974

TMS...TMS370CX02 TMS370CX32 TMS370CX36 TMS370CX42 TMS370CX56 TMS370CX56 TMS370CX56 78K0/HC912

TMS370CX58 TMS370CX58 78K0/HC912 TMS375C006

Packaging

Package List:

1pcXMain unit
1pcXUSB cable
1pcXCD
1pcX5pin cable
1pcXAdapter Type1 Per eprom I2C,SPI, Microware e M35080
1pcXAdapter Type2 Motorola MC68HC11P2+MC68HC11PH8-PLCC84
1pcXAdapter Type3 Motorola MC68HC08AS-PLCC52
1pcXAdapter Type4 Motorola MC68HC11KA2/4+MC68HC11KS-PLCC68
1pcXAdapter Type5 Motorola MC68HC(9)08-QFP64
1pcXAdapter Type6 Motorola MC68HC11F1-PLCC68
1pcXAdapter Type7 Motorola MC68HC05H12-PLCC52
1pcXAdapter Type8 Motorola MC68HC11K-PLCC84
1pcXAdapter Type9 Motorola MC68HC11A8/E1/E9/E20+MC68HC11EA9-PLCC52
1pcXAdapter Type10 Motorola MC68HC11KA2/4+MC68HC11PA8-QFP64
1pcXAdapter Type11 Motorola MC68HC11K-QFP80
1pcXAdapter Type12 Extended address
1pcXAdapter Type13 Motorola MC68HC11A8/E1/E9/E20-QFP64
1pcXAdapter Type14 Motorola MC68HC05B4/B6/B8/B16/B32+MC68HC705B16/B32-PLCC52
1pcXAdapter Type15 Motorola MC68HC(7)05E6-SOIC28
1pcXAdapter Type16 Motorola MC68HC05B4/B6/B8/B16/B32+MC68HC(7)05X16/X32-QFP64
1pcXAdapter Type17 Motorola MC68HC(9)12B32-MC68HC(9)12D60(A)-QFP80
1pcXAdapter Type18 Motorola MC68HC11F1-QFP80
1pcXAdapter Type19 Motorola MC68HC11L6-PLCC68

Picture

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