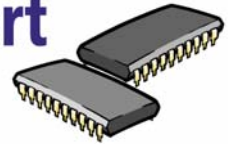


Equinox ISP Programmer - Device Support



EQTOOLS VERSION V2-b1156 Date: Feb 2010 No of Devices: 661

Programmers supported: Epsilon5, FS2003, FS2009, PPM3-MK2, PPM4-MK1. ISPNano

Manufacturer: ATMEL

Family: AT24Cxxx (I2C)*

AT24C01A
AT24C01B
AT24C11
AT24C02A
AT24C02B
AT24C04
AT24C04A
AT24C04B
AT24HC04B
AT24C08A
AT24C08B
AT24C16A
AT24C16B
AT24C32
AT24C32A
AT24C32C
AT24C32SC
AT24C64
AT24C64A
AT24C64B
AT24C128
AT24C128B
AT24C128SC
AT24C256
AT24C256B
AT24C512
AT24C512B
AT24C512SC
AT24C1024
AT24C1024B
AT24C1024SC

Family: AT24HCxxx (I2C)*

AT24HC02B

Family: AT34Cxxx (I2C)*

AT34C02C

Family: AT89(L)S (SPI)

AT89LS51
AT89S51
AT89LS52
AT89S52
AT89S8252_rev_A-T
AT89S8252_rev_U
AT89LS8252_rev_A-T
AT89LS8252_rev_U
AT89S53_rev_A-T
AT89S53_rev_U
AT89LS53_rev_A-T
AT89LS53_rev_U
AT89S8253
AT89S4051
AT89S2051

Family: AT90S (AVR)

AT90S1200-4
AT90S1200A-4
AT90S1200A-12
AT90S1200-12
AT90S2313-4
AT90S2313-10
AT90LS2323
AT90S2323
AT90LS2343
AT90S2343
AT90LS2333

AT90S2333
AT90LS4433
AT90S4433
AT90LS4434
AT90S4434
AT90LS8535
AT90S8535
AT90S4414-4
AT90S4414-8
AT90S8515-4
AT90S8515-8
AT90S Locked

Family: AT91SAM7S(JTAG)**

AT91SAM7S256
AT91SAM7S512
AT91SAM7S128
AT91SAM7S64
AT91SAM7S32
AT91SAM7S321
AT91SAM7S16
AT91SAM7S161
AT91SAM7S512EXT1
AT91SAM7S512EXT2
AT91SAM7S256_rev_A
AT91SAM7S256_rev_B
AT91SAM7S128_rev_A
AT91SAM7S128_rev_B
AT91SAM7S64_rev_B
AT91SAM7S32_rev_B

Family: AT91SAM7SE(JTAG)**

AT91SAM7SE512
AT91SAM7SE256
AT91SAM7SE32

Family: AT91SAM7A (JTAG)**

AT91SAM7A3

Family: AT91SAM7L (JTAG)**

AT91SAM7L64
AT91SAM7L128

Family: AT91SAM7X (JTAG)**

AT91SAM7X128
AT91SAM7X256
AT91SAM7X512

Family: AT91SAM7XC (JTAG)**

AT91SAM7XC128
AT91SAM7XC256
AT91SAM7XC512
AT91SAM7XC512-EXT1

Family: ATmega (SPI)

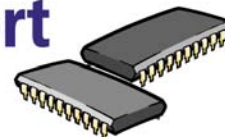
ATmega103
ATmega103L
ATmega103-NO-POLL
ATmega103L-NO-POLL
ATmega128-16
ATmega128L-8
ATmega8
ATmega8L
ATmega16
ATmega16L
ATmega32
ATmega32A
ATmega32L
ATmega163
ATmega163L
ATmega161
ATmega161L
ATmega323

ATmega323L
ATmega8535
ATmega8535L
ATmega8515
ATmega8515L
ATmega162-16
ATmega169L-8
ATmega64-16
ATmega64L-8
ATmega162L-8
ATmega162V-8
ATmega48V-10
ATmega48-20
ATmega88V-10
ATmega88-20
ATmega168V-10
ATmega168-20
ATmega329-8
ATmega329-16
ATmega644V-10
ATmega325-16
ATmega2560-16
ATmega2560V-8
ATmega2561-16
ATmega2561V-8
ATmega1280-16
ATmega1280V-8
ATmega1281-16
ATmega1281V-8
ATmega640-16
ATmega640V-8
ATmega3290-16
ATmega3290V-8
ATmega649-16
ATmega649V-8
ATmega6490-16
ATmega6490V-8
ATmega325V-8
ATmega3250V-8
ATmega3250-16
ATmega645V-8
ATmega645-16
ATmega6450V-8
ATmega6450-16
ATmega644-20
ATmega644V-20
ATmega169-16
ATmega169V-1
ATmega32M1-16
ATmega32M1-8
ATmega64M1-16
ATmega64M1-8
ATmega32C1-16
ATmega32C1-8
ATmega64C1-16
ATmega64C1-8
ATmega48PA-20
ATmega128A-16
ATmega8A-16
ATmega16A-16
ATmega128RFA1

Family: ATmega(JTAG)***

ATmega16 (JTAG)
ATmega16L (JTAG)
ATmega128-16 (JTAG)
ATmega323 (JTAG)
ATmega64-16 (JTAG)
ATmega32 (JTAG)
ATmega32L (JTAG)
ATmega128L-8 (JTAG)

Equinox ISP Programmer - Device Support



ATmega162 (JTAG)
ATmega169L-8 (JTAG)
ATmega64L-8 (JTAG)
ATmega169V-1 (JTAG)
ATmega169-16 (JTAG)
ATmega329-16 (JTAG)
ATmega406 (JTAG)
ATmega2561 (JTAG)
ATmega2561V (JTAG)
ATmega2560 (JTAG)
ATmega2560V (JTAG)
ATmega329V-8 (JTAG)
ATmega3290V-8 (JTAG)
ATmega3290-16 (JTAG)
ATmega6490-16 (JTAG)
ATmega6490V-8 (JTAG)
ATmega1281-16 (JTAG)
ATmega1281V-8 (JTAG)
ATmega1280-16 (JTAG)
ATmega1280V-8 (JTAG)
ATmega640-16 (JTAG)
ATmega640V-8 (JTAG)
ATmega644V-10 (JTAG)
ATmega644-20 (JTAG)
ATmega169V-8 (JTAG)
ATmega645-16 (JTAG)
ATmega645V-8 (JTAG)
ATmega6450-16 (JTAG)
ATmega6450V-8 (JTAG)
ATmega325-16 (JTAG)
ATmega325V-8 (JTAG)
ATmega3250-16 (JTAG)
ATmega3250V-8 (JTAG)
ATmega128A-16 (JTAG)
ATmega16A-16 (JTAG)
ATmega128RFA1 (JTAG)

Family: AT90CAN (SPI)

AT90CAN128-16
AT90CAN64-16
AT90CAN32-16

Family: AT90CAN (JTAG)***

AT90CAN128 (JTAG)
AT90CAN64 (JTAG)
AT90CAN32 (JTAG)

Family: AT90PWM (SPI)

AT90PWM1-16
AT90PWM2-16
AT90PWM2B-16
AT90PWM216-16
AT90PWM3-16
AT90PWM3B-16
AT90PWM316-16

Family: ATmega 'P' PICO (JTAG)***

ATmega169PV-8 (JTAG)
ATmega644PV-10 (JTAG)
ATmega644P-20 (JTAG)
ATmega324PV-10 (JTAG)
ATmega324P-20 (JTAG)
ATmega164PV-10 (JTAG)
ATmega164P-20 (JTAG)
ATmega329P-20 (JTAG)
ATmega329PV-10 (JTAG)
ATmega3290PV-10 (JTAG)
ATmega3290P-20 (JTAG)
ATmega164P-15A (JTAG)
ATmega164P-15M (JTAG)
ATmega324P-15A (JTAG)
ATmega324P-15M (JTAG)
ATmega644P-15A (JTAG)
ATmega644P-15M (JTAG)

ATmega164PA-20 (JTAG)
ATmega324P-20 (JTAG)
ATmega644PA-20 (JTAG)

Family: ATmega 'P' PICO (SPI)

ATmega169P-16
ATmega169PV-8
ATmega644PV-10
ATmega644P-20
ATmega324PV-10
ATmega324P-20
ATmega164PV-10
ATmega164P-20
ATmega48P-20
ATmega48PV-20MMU
ATmega48PV-10
ATmega88PV-10
ATmega88P-20
ATmega168PV-10
ATmega168P-20
ATmega329P-20
ATmega329PV-10
ATmega3290P-20
ATmega3290PV-10
ATmega328P-20
ATmega328PV-10
ATmega164P-15A
ATmega164P-15M
ATmega324P-15A
ATmega324P-15M
ATmega644P-15A
ATmega644P-15M
ATmega88PA-20
ATmega168PA-20
ATmega164PA-20
ATmega324PA-20
ATmega 644PA-20

Family: AT90USB (SPI)

AT90USB1287-16
AT90USB1286-16
AT90USB647-16
AT90USB646-16
AT90USB162-16
AT90USB82-16

Family: AT90USB (JTAG)***

AT90USB1287-16 (JTAG)
AT90USB1286-16 (JTAG)
AT90USB647-16 (JTAG)
AT90USB646-16 (JTAG)

Family: ATxxxx AVR+LIN SiP

ATA6612
ATA6613

Family: ATtiny (SPI LV)

ATtiny861
ATtiny861V
ATtiny461
ATtiny461V
ATtiny261
ATtiny261V
ATtiny12L-4
ATtiny22L
ATtiny15L
ATtiny Locked
ATtiny26-16
ATtiny26L-8
ATtiny13-10
ATtiny2313-10
ATtiny45-20
ATtiny45V-10
ATtiny24

ATtiny24V
ATtiny44
ATtiny44V
ATtiny84
ATtiny84V
ATtiny85-20
ATtiny85V-10
ATtiny25-20
ATtiny25V-10
ATtiny12-8
ATtiny12V-1
ATtiny13-20
ATtiny2313-20
ATtiny13A-20
ATtiny13A-10
ATtiny13A-4
ATtiny48
ATtiny88

Family: ATtiny (SPI HV)

ATtiny12L-4 (HV)
ATtiny11L-4 (HV)
ATtiny15L (HV)
ATtiny12-8 (HV)
ATtiny12V-1 (HV)

Family: T89C51 (UART ISP)

T89C51RD2-xxxM
T89C51RD2-xxxL
T89C51RB2-xxxM
T89C51RB2-xxxL
T89C51RC2-xxxM
T89C51RC2-xxxL
T89C51CC01-xxxM
T89C51IB2
T89C51IC2 (OSCB)
T89C51IC2
T89C51AC2-xxxM
AT89C51ED2
AT89C51RD2

Manufacturer: NXP

(PHILIPS)

Family: P89C51Rx2 (1st Gen)

P89C51RB2H
P89C51RC2H
P89C51RD2H

Family: P89C66x (1st Gen)

P89C660HBA
P89C662HBA
P89C664HBA
P89C668HBA

Family: P89C51Rx2(2nd Gen)

P89C51RD2BA
P89C51RC2BA
P89C51RB2BA

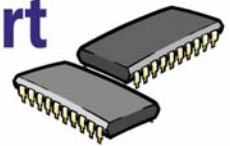
Family: PCAxxx (I2C)*

PCA8581
PCA8581C
PCA24S08

Family: PCFxxx (I2C)*

PCF85102C-2
PCF85103C-2
PCF8594C-2
PCF8598C-2
PCF85116-3
PCF8582C-2

Equinox ISP Programmer - Device Support



Manufacturer: CATALYST

Family: CAT24Xxxx (I2C)*

CAT24C01
CAT24AA01
CAT24C02
CAT24AA02
CAT24C21
CAT24C03
CAT24C04
CAT24AA04
CAT24C05
CAT24C08
CAT24AA08
CAT24C208
CAT24C16
CAT24C164
CAT24C32
CAT24C64
CAT24WC66
CAT24C128
CAT24C256

Family: CAT34Xxxx (I2C)*

CAT34C02

Manufacturer: DALLAS

Family: DS28C (I2C)*

DS28CZ04

Manufacturer: EXEL

Family: XL24Cxx (I2C)*

XL24C01
XL24C01A
XL24C02
XL24C04
XL24C08
XL24C16
XL24E16

Manufacturer: HOLTEK

Family: HT24LCxx (I2C)*

HT24LC02
HT24LC04
HT24LC08
HT24LC16
HT24LC32
HT24LC64
HT2201

Manufacturer: IC Microsystems

Family: X24xx (I2C)*

X24042
X24042-2.7
X24042-3
X24164
X24164-2.7
X24164-3
X24165
X24165-2.7
X24165-3
X24320
X24320-2.5
X24320-1.8
X21428
X24128-2.7
X24128-3
X24256
X24257

X24257-2.5
X24257-1.8

Family: X24Cxx (I2C)*

C24C00
X24C00-3
X24C00-2.7
X24C01
X24C01-3.5
X24C01-3
X24C01-2.7
X24C02
X24C02-3.5
X24C02-3
X24C02-2.7
X24C04
X24C04-3.5
X24C04-3
X24C04-2.7
X24C08
X24C08-3.5
X24C08-3.0
X24C08-2.7
X24C16
X24C16-3.5
X24C16-3.0
X24C16-2.7

Manufacturer: ISSI

Family: IS24Cxx (I2C)*

IS24C01B
IS24C02B
IS24C02C
IS24C02D
IS24C04A
IS24C08A
IS24C16A
IS24C32A
IS24C32B
IS24C32C
IS24C64A
IS24C64B
IS24C128
IS24C128B

Family: IS24Lxx (I2C)*

IS24L128
IS24L256

Family: IS34Cxx (I2C)*

IS34C02
IS34C02B

Manufacturer: MICROCHIP

Family: 24C (I2C)*

24C00
24C01C
24C02C
24C65

Family: 24LC (I2C)*

24LC00
24LC01B
24LC014
24LC014H
24LC01BH
24LC21A
24LCS21A
24LC024
24LC024H

24LC025
24LC02B
24LC22A
24LCS22A
24LC04B
24LC04BH
24LC08B
24LC08BH
24LC168B
24LC16BH
24LC32A
24LC64
24LC65
24LC128
24LC256
24LC512
24LC515
24LC1025

Family: 24AA (I2C)*

24AA00
24AA01
24AA014
24AA014H
24AA01H
24AA02
24AA024
24AA024H
24AA025
24AA02H
24AA02E48
24AA04
24AA04H
24AA08
24AA08H
24AA16
24AA16H
24AA32A
24AA64
24AA65
24AA128
24AA256
24AA512
24AA515
24AA1025

Family: 24VL (I2C)*

24VL014H
24VL024H

Family: 24FC (I2C)*

24FC64
24FC128
24FC256
24FC512
24FC515
24FC1025

Manufacturer: RAMTRON

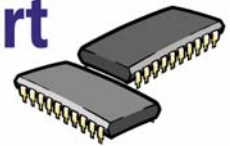
Family: FM24Cxx (I2C)*

FM24C04A
FM24C16A
FM24C64
FM24C256
FM24C512

Family: FM24Lxx (I2C)*

FM24CL04
FM24CL16
FM24CL64
FM24L256

Equinox ISP Programmer - Device Support



Manufacturer: ROHM

Family: BR24Lxx (I2C)*

BR24L01A-W
BR24L02-W
BR24L04-W
BR24L08-W
BR24L16-W
BR24L32-W
BR24L64-W

Family: BR24Sxx (I2C)*

BR24S16-W
BR24S32-W
BR24S64-W
BR24S128-W

Family: BR24Axx (I2C)*

BR24A01A-W
BR24A02-W
BR24A04-W
BR24A08-W
BR24A16-W
BR24A32-W
BR24A64-W
BR24A256-W

Family: BR24Cxx (I2C)*

BR24C21

Family: BRUxx (I2C)*

BU9882

Family: BR34Lxx (I2C)*

BR34L02-W

Manufacturer: SEIKO INSTRUMENTS

Family: S-24Cxx (I2C)*

S-24CS01A
S-24CS02A
S-2402BPPHL
S-24CS04A
S-24C04BPHAL
S-24CS08A
S-24CS16A
S-24CS64A

Family: S-34Cxx (I2C)*

S-34C02A

Manufacturer: ST

Family: M24xx-R (I2C)*

M24C01-R
M24C02-R
M24C04-R
M24C08-R
M24C16-R
M24C32-R
M24C64-R
M24128-BR
M24256-BR
M24256-BHR
M24512-R
M24512-HR
M24M01-R
M24M01-HR

Family: M24xx-W (I2C)*

M24C01-W
M24C02-W
M24C04-W
M24C08-W
M24C16-W
M24C32-W
M24C64-W
M24256-BW
M24128-BW
M24512-W
M24M01-W

Family: M24xx-F (I2C)*

M24C04-F
M24C08-F
M24C16-F
M24C32-F
M24C64-F
M24128-BF

Family: M34xx (I2C)*

M34D64-W
M34F04

Manufacturer: XICOR

Family: X24Cxx (I2C)*

X24C00
X24C00-3
X24C00-2.7
X24C01
X24C01-3.5
X24C01-3
X24C01-2.7
X24C02
X24C02-3.5
X24C02-3
C24C02-2.7
X24C04
X24C04-3.5
X24C04-3
X24C04-2.7
X24C08
X24C08-3.5
X24C08-3
X24C08-2.7
X24C16
X24C16-3.5
X24C16-3
X24C16-2.7

Family: X24xx (I2C)*

X24012
X24012-2.7
X24012-3
X24022
X24022-2.7
X24022-3
X24042
X24042-2.7
X24042-3
X24164
X24164-2.7
X24164-3
X24165
X24165-2.7
X24165-3
X24321
X24321-2.5
X24321-1.8
X24325
X24645-2.7

X24128
X24128-2.7
X24128-3
X24129
X24129-2.7
X24129-3
X24256
X24257
X24257-2.5
X24257-1.8
X24512

Manufacturer: ZENSYS

Family: 100-Series

ZW0102

Family: 200-Series

ZW0201

Family: 300-Series

ZW0301

PLEASE NOTE:

Device families marked with an asterisk are available as chargeable upgrades:

***Serial I2C EEPROM Memory - Device Library**

Order code - UPG17

Supplied as standard with the following products:

Epsilon5(E2)

EPS-E2-BUNDLE

**** Atmel AT91SAM7 - ARM7 JTAG Device Library Licence**

Order code - UPG16

Supplied as standard with the following products:

Epsilon5(SAM7)

FS2009(SAM7)

EPS-AT91SAM7JTAG-
BUNDLE

***** JTAG In-System Programming (ISP) Support for Atmel ATmega AVR Microcontrollers**

Order code - UPG7

Except Epsilon - UPG3

Supplied as standard with the following products:

Epsilon5 (AVR-JTAG)

FS2009(AVR-JTAG)

EPS-AVRJTAG-BUNDLE