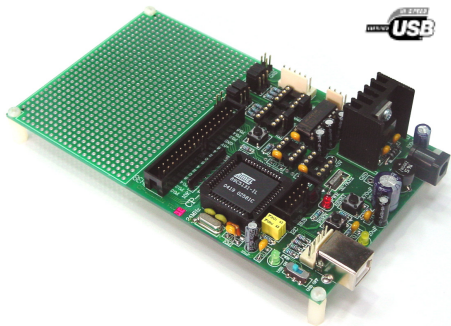


CP-JR51USB V1
(P-CP-A-00075)

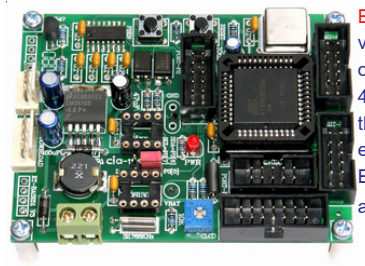


Use Control Board through V1.1 and V2.0 Port USB and use CPU MCS51 NO. AT89C5131 from ATMEL because user can select USB as 6 Clock or 12 Clock directly. It's suitable for development program through connecting PORT USB directly.

- CPU ON BOARD AT89C5131 PLCC TYPE 52 PIN
 - 6 CLOCK OR 12 CLOCK RUN XTAL 24 MHZ
 - MEMORY AS FLASH 32 KBYTE, RAM 256 BYTE, FULL DUPLEX UART, ERAM 1024 BYTE, DUAL DTA POINTE, WATCH DOG,USB, PCA
 - DOWNLOAD PROGRAM INTO CPU THROUGH USB PORT DIRECTLY
 - 5 PORT CONNECT WITH P0, P1, P2, P3, P4 THROUGH 34 PIN ET-BUS I/O
 - I2C EEPROM NO.24XX (OPTION)
 - I2C RTC NO.DS1307 (OPTION)
 - I2C BUS ET 10 PIN
 - RS232 MAX232 ON BOARD, RS422/485 (75176 OR MAX3088 OPTION)
 - POWER SUPPLY 7805 ON BOARD • POWER SUPPLY 7-12VDC
 - PCB SIZE 15.3 x 9 CM
 - USE FLIP PROGRAM FROM ATMEL THROUGH USB TO DOWNLOAD PROGRAM INTO CPU TO RUN ON OS WINDOWS 98/ME/2000/NT/XP
 - CP-JR51USB INCLUDES
1. CP-JR51USB BOARD
 2. CABLE USB A-TO-B TYPE
 3. User's manual Guide
 4. CD-ROM



ET-BASE 51 V3.0
(P-ET-A-00395)



ET-BASE 51 V3.0 is the new board version that uses MCU in the family of MCS51 No.AT89C51ED2 PLCC-44 PIN from ATMEL on board. It is the stand alone device that can operate independently or connect with ET-BASIC I/O V1; moreover, it is able to add devices more than V2.

- MCU No.AT89C51ED2, PLCC-44 PIN, 64 KBYTES FLASH Memory, 1792 BYTES RAM, 2 KBYTES EEPROM and can be run 6 or 12 CLOCK at 1 MACHINE CYCLE.
- 29.4912 MHZ OSCILLATOR MODULE can be run in X2 MODE, so this board can run at the maximum high speed of 58.9824 MHZ.
- Directly DOWNLOAD data program into internal memory through PORT RS232 without additionally purchasing any more COPY Programmer.
- 4 PORT I/O PIN HEADER 2x5 standard of ETT
- RS232 PORT 4 PIN ETT
- RTC No.DS1307 (OPTION)
- EEPROM 24XX (OPTION)
- 14 PIN HEADER LCD for interfacing with CHARACTER LCD
- POWER SUPPLY AC/DC INPUT 7-10V, use SWITCHING REGULATE No.LM2575 to reduce the heat from IC REGULATE
- PCB SIZE: 8x6 cm.
- ET-BASE 51 V3.0 consists of...

1. Board ET-BASE 51 V3.0
2. CD-ROM User's Manual Program
3. Cable ET-RS232 DB 9 PIN



ET-BASE51 AC3
(P-ET-A-00288)



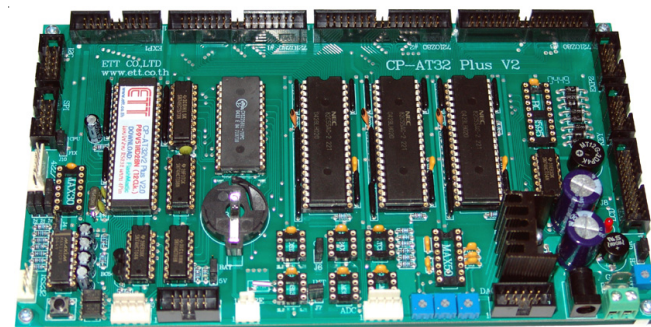
"ET-BASE 51 AC3" which is a Board Microcontroller is designed to be a small size. It can be used for general usage or using with "ET-BASIC I/O V1". This Board uses MCU MCS51 family from ATMEL No.AT89C51AC3 as DIP TYPE 52 PIN PLCC and can be run maximum 60MHz at 12 CLOCK or 30MHz at 6 CLOCK.

- Using AT89C51A3 with 64 KBYTE FLASH MEMORY, 2304 BYTE RAM, 2 KBYTE EEPROM
- CIRCUIT OSC CLOCK 29.4912 MHz ON BOARD and if running as 6 CLOCK, it will be 58.9824 MHZ.
- Can be DOWNLOAD program directly from COMPUTER PC into internal FLASH memory through PORT RS232
- 5 PORT I/O 10PIN ET (32+4 DIGITAL I/O)
- 4 PIN RS232 PORT • A TO D 10 BIT 8 CHANNEL
- 14 PIN LCD PORT as CHARACTER TYPE
- POWER SUPPLY 5VDC (can be used with POWER SUPPLY version "ET-SWITCHING ADAPTER 5V 1.2A TYPE H")
- PCB size 6.2 x 8.1 cm.
- ET-BASE 51 AC3 consists of

1. BOARD ET-BASE51 AC3
2. CD-ROM
3. CABLE DOWNLOAD ET-DOWNLOAD RD2
4. CABLE DOWNLOAD ET-RS232 DB 9 PIN



CP-AT32 PLUS V2
(P-CP-A-00033)



- CPU P89V51RD2 64 KBYTE PROGRAM, RUN 18.432 MHZ
- 72 BIT I/O PORT 8255 ON BOARD USING 34 PIN ET-BUS
- 32 KBYTE RAM ON BIARD 62256 (BACKUP IC OPTION DS1210)
- COMPATIBLE MCS51 20 PIN PORT (CAN USE WITH 20 PIN MCS51 (AT89C2051, 1051, 4051))
- 2-CH.12 BIT A-TO-D (OPTION LTC1298) SAMPLING RATE 11.1 KHZ
- 4-CH.8 BIT D-TO-A (OPTION IC MAX 500, 2-CH.IC LM358), OUTPUT 2-10 V
- 8 BIT OUTPUT HIGH CURRENT OPEN COLLECTOR (OPTION IC NC6B595), 8 BIT OUTPUT WITH DIODE IN CASE OF RELAY
- RTC DS1307 (OPTION IC), EEPROM 2K-32K (24LCXX OPTION)
- RS232 ON BOARD, RS422/485 (OPTION IC MAX3088 256-CH. TRANS-CEIVER ON BUS)
- KEY 4 x 4 PORT, 1 MINI SPEAKER
- ET-SDP8 BUS, ET-12C BUS, ET-SPI BUS, ET 1-WIRE BUS
- GRAPHICS & CHARACTER TYPE 20 PIN BUS
- ON BOARD POWER SUPPLY 7805
- POWER SUPPLY 7-12VDC
- PCB SIZE 21 x 12 CM.
- CP-AT32 PLUS V2 INCLUDES ;

1. CP-AT32 PLUS V2 BOARD
2. CABLE DOWNLOAD ET-RS232 DB9
3. CD-ROM

