

**ET-PIC24WEB TRAINING V1 BOX (P-ET-A-00349)**

**ET-dsPIC33WEB TRAINING V1 BOX (P-ET-A-00350)**

**ET-PIC24WEB TRAINING V1 BOX** and **ET-dsPIC33WEB TRAINING V1 BOX** is a training device set to learn and develop 16 BIT PIC MICROCONTROLLER System and ETHERNET into WEB SERVER CONTROL. ETT takes SOURCE CODE of TCP/IP STACK from MICROCHIPS to modify and adapt it for ETT Boards, so it can be connected to test Circuit DIGITAL OUTPUT (LED), DIGITAL INPUT (SW), ANALOG INPUT (ADC), and test LCD DISPLAY by using C Language to develop program.

There are 2 versions of board that has different CONTROLLER Board but other parts of board and components are the same.

- ET-PIC24WEB TRAINING V1 BOX;** especially CONTROLLER Board that is ET-PIC24WEB V1 version and its specifications are;
  - 16 BIT MCU No.PIC24FJ128GA008 from MICROCHIPS
  - PROGRAM MEMORY 128 KBYTE, SRAM 8 KBYTE
  - 16 MIPS to process data, 70 BIT I/O, RS232 2 PORT
- ET-dsPIC33WEB TRAINING V1 BOX;** especially CONTROLLER Board that is ET-dsPIC33WEB V1 version and its specifications are;
  - 16 BIT MCU No.dsPIC33F128GP708 from MICROCHIP
  - PROGRAM MEMORY 128 KBYTE, RAM 16 KBYTE
  - 40 MIPS to process data, 69 BIT I/O, RS232 2 PORT

Moreover, it includes circuits to test operation such as 8 DIGITAL OUTPUT (LED), 4 DIGITAL INPUT (SW), and 1 ANALOG INPUT (ADC).

**WEB SERVER CONTROL**



Stack version: v4.02  
 Build date: Aug 20  
 Actions:  
 Toggle LEDs:  LED  
 write to LCD:   
 Status: An  
 S



- The same components in this TRAINING Set consist of;
- ET-MINI ENC28J60 is Module ETHERNET and uses IC No.ENC28J60.
  - ET-25LC256 is Board with 32 KBYTE EEPROM that uses IC No.25LC256 to store data.
  - LCD MODULE with PCB CONVER 16 Characters x 2 Lines
  - 20 Cables of ET-FF WR 22 to interface with board
  - CROSS LAN Cable to interface with computer PC
  - Cable RS232 9 PIN to be 4 PIN
  - CD-ROM User's Manual, Example Programs, and C Language Program
  - DC POWER SUPPLY 10V/850mA
  - Plastic box to keep TRAINING SET

**\*\*\* OPTION** that is necessary components will be used with this TRAINING SET but it is not included in this TRAINING Set; so, user must additionally purchase it by self if has not. There are 6 types of devices to program data into MCU; in this case, it is interfaced through PORT USB of computer PC.

- ET-PGM PIC USB V1** There is no TEXT TOOL 40 PIN and 20 PIN. (See more details of this board on Page 42)
- ET-PGM PIC USB V1 PLUS** There is TEXT TOLL 40 PIN and 20 PIN. (See more details of this board on Page 42)
- ET-PGM PIC USB V2** (See more details of this board on Page 43)
- ET-ICDX V1.0** (See more details of this board on Page 42)
- ET-PGM PIC PK3** (See more details of this board on Page 41)
- ET-PGM PIC PK3 PLUS** (See more details of this board on Page 41)