

LEAP PSTART

HANDY PIC WRITER

LEAP PSTART makes design-ing with Microchip MCUs simple and affordable

The LEAP PSTART development system from Microchip technology provides the product development engineer with a highly-flexible low-cost microcontroller design tool set for all PIC14000, PIC16CXX, PIC16CXX and PIC17CXX 8-bit one-time-programmable(OTP), DIP packages up to 40-pin devices.

The LEAP PSTART development system operates on any PC-compatible machine running under the Windows 3.1/95/98 operating system. LEAP PSTART is easy-to-use and features Microchip's highly acclaimed MPLAB Integrated Development Environment with its built-in editor, assembler and Windows-based MPLAB-SIM simulator. Sample software programs are provided to help the developer quickly become familiar with the LEAP PSTART development system and with Microchip microcontroller families.



LEAP ELECTRONICS

Feature

- Low-cost Development Kit Supports PIC14000, PIC16/17 MCUs
- Operates with PC-compatible host system running Windows under MPLAB environment
- Able to upgrade software from Leap or Microchip internet server
- Reads, programs, verifies EPROM and EEPROM program and data memory
- Reads, programs, verifies all configuration bits
- Programs and verifies address range
- Displays, edits, and transfers device contents to and from programmer unit
- MPLAB Project support to automatically download object file to PSTART Plus
- MPASM Assembler translates assembler source code to object code for all PIC16/17 devices
- MPLAB-SIM Windows-based simulator designed to model operation of all PIC16/17 microcontrollers
- Complete with RS-232 cable, 9 volt universal IEC power supply and power cable and the MPLAB Integrated Development Environment.

Specification

Standard Accessories

- main unit
- RS-232 cable
- DC power adaptor
- CD-ROM

Electrical Requirements

- Operation Voltage: 100VAC to 240VAC
- Frequency Range: 47 to 63 Hz
- Power Consumption: 10W maximum

Optional Accessories

- Full range adaptors

Physical & Environmental Specification

- Dimension: 16cm x 11cm x 4.5cm
- Weight: 0.5kgs
- Temperature: +5°C to +45°C
- Humidity: to 90% non-condensing
- Altitude: to 5000m

System Description

The LEAP PSTART Plus development system included the LEAP PSTAR development programmer and the MPLAB Integrated Development Environment.

The LEAP PSTART programmer gives the product developer the ability to program user software into any of the supported microcontrollers. The LEAP PSTART software running under MPLAB provides for full interactive control over the programmer.

The MPASM macro assembler provides programmable memory data files, listing files and special files required for symbolic debug. The MPLAB-SIM software simulator allows the user to isolate code problems and debug firmware designs on PIC16/17 devices. It simulates the core functions as well as most of the peripherals of the PIC16/17 microcontroller families. It is particularly suitable for optimizing algorithms where real-time emulation is not required.

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