MPLAB® PM3 Universal Device Programmer

Summary

The MPLAB PM3 Universal Device Programmer is easy to use and operates with a PC or as a stand-alone unit, and programs Microchip’s entire line of PICmicro® devices as well as the latest dsPIC30F DSC devices. The MPLAB PM3 features a large and bright LCD unit (128x64 pixels) to display easy menus, programming statistics and status information.

The MPLAB PM3 programmer has exceptional programming speed to allow high production throughput, especially important for large memory devices, and includes a Secure Digital/Multimedia Card slot for easy and secure data storage and transfer.

The MPLAB PM3 programmer is designed with 40 programmable socket pins, allowing each socket module to be configured to support many different devices, requiring fewer socket modules to support the entire line of Microchip parts. The socket modules use multi-pin connectors for high reliability and quick interchange. An adapter allows current PROMATE® II socket modules to be used on the MPLAB PM3 programmer.

When connected to a PC-host system either via a serial or USB port, the MPLAB PM3 programmer is seamlessly integrated with the MPLAB Integrated Development Environment (IDE) providing an exceptionally user-friendly interface for the ultimate control during programming. The MPLAB IDE includes a full-featured macro assembler, powerful software simulator with symbolic debugger, color-coded programmer’s editor, project manager, high-level language debugging and support for Microchip and selected third party development tools, including compilers, low-cost in-circuit debuggers and full-featured in-circuit emulators.

Features (Continued)

- SQTPSM serialization for programming unique serial numbers while in PC Host mode.
- An alternate DOS command line interface is available for batch control
- Supports PROMATE II socket modules via adapter (sold separately)
- Large easy-to-read display
- Field upgradeable firmware allows quick new device support
- Secure Digital (SD) and Multimedia Card (MMC) external memory support
- Buzzer notification for noisy environments

Package Contents

- MPLAB PM3 programming unit
- Serial Cable for RS-232 PC connection
- USB cable for USB PC connection
- ICSP cable
- Power supply and power cables
- MPLAB Integrated Development Environment CD
- User’s Guide and technical documentation on CD

Host System Requirements

- PC-compatible system with an Intel Pentium® class or higher processor, or equivalent
- Serial or USB port

Features

Key features of the MPLAB PM3 Programmer include:

- RS-232 or USB interface
- Integrated In Circuit Serial Programming™ (ICSP™) interface
- Fast programming time
- Three operating modes:
  - PC Host mode for full control
  - Safe mode for secure data
  - Standalone mode for programming without a PC
- Complete line of interchangeable socket modules to support all Microchip devices and package options (sold separately)
### Part Numbers and Ordering Information:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Availability</th>
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</thead>
<tbody>
<tr>
<td>DVO07004</td>
<td>MPLAB PM3 Programmer Unit</td>
<td>Q1 2004</td>
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<tr>
<td>AC164301</td>
<td>40P DIP Socket Module</td>
<td>Q1 2004</td>
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<td>AC164302</td>
<td>16L (.150&quot;)/28L (.300&quot;) SOIC</td>
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<td>64L TQFP SOIC Socket</td>
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<td>68L PLCC Socket</td>
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<td>84L PLCC Socket</td>
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<td>44L MQFP SOIC Socket</td>
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<td>16L (.208&quot;) SOIC Socket</td>
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<td>64L PF (14x14) Socket</td>
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<td>AC164314</td>
<td>80L PF (14x14) Socket</td>
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<td>AC164350</td>
<td>PROMATE II to PM3 Socket Module Adapter</td>
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**Supported Devices:** All PICmicro® MCU and dsPIC30F devices are supported.

### Development Tools from Microchip

**MPLAB® IDE** Integrated Development Environment (IDE)

**MPASM™ Assembler** Universal PICmicro® Macro-Assembler

**MPLINK™ Linker/MPLIB™ Librarian** Linker/Librarian

**MPLAB SIM Simulator** Software Simulator

**MPLAB C18** C Compiler for PIC18CXXX MCUs

**MPLAB C30** C Compiler for dsPIC30F MCUs

**PICkit™ 1** Flash Starter Kit

**MPLAB ICD 2** In-Circuit Debugger

**MPLAB ICE 2000** Full-featured Modular In-Circuit Emulator for PIC12, PIC16 and PIC18 MCUs

**MPLAB ICE 4000** Full-featured Modular In-Circuit Emulator for PIC18 and dsPIC MCUs

**PICSTART® Plus Programmer** Entry-level Development Kit with Programmer

**MPLAB PM3 Device Programmer** Full-featured, Modular Device Programmer

**KerLoc® Evaluation Kit** Encoder/Decoder Evaluator

**microID™ Developer’s Kit** 125 kHz and 13.56 MHz RFID Development Tools

### Americas

- **Atlanta** (770) 640-0034
- **Boston** (978) 692-3848
- **Chicago** (630) 285-0071
- **Dallas** (972) 818-7423
- **Detroit** (248) 538-2250
- **Kokomo** (765) 864-8360
- **Los Angeles** (949) 263-1888
- **Phoenix** (480) 792-7966
- **San Jose** (408) 436-7950
- **Toronto** (905) 673-0699

### Asia/Pacific

- **Australia** 61-9866-6733
- **China** 86-10-85282100
- **China – Chengdu** 86-28-86766200
- **China – Fuzhou** 86-591-7503506
- **China – Hong Kong SAR** 852-2401-1200
- **China – Qingdao** 86-532-5027355
- **China – Shanghai** 86-21-6275-5700
- **China – Shenzhen** 86-755-82901380
- **India** 91-80-2290061
- **Japan** 81-45-471-6166
- **Korea** 82-2-554-7200
- **Singapore** 65-6334-8870
- **Taiwan** 886-2-2717-7175
- **Taiwan – Kaohsiung** 886-7-536-4818

### Europe

- **Austria** 43-7242-2244-399
- **Denmark** 45-4420-9895
- **France** 33-1-69-53-63-20
- **Germany** 49-89-627-144-0
- **Italy** 39-0331-742611
- **Netherlands** 31-416-690399
- **United Kingdom** 44-118-921-8569

As of 9/1/03

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