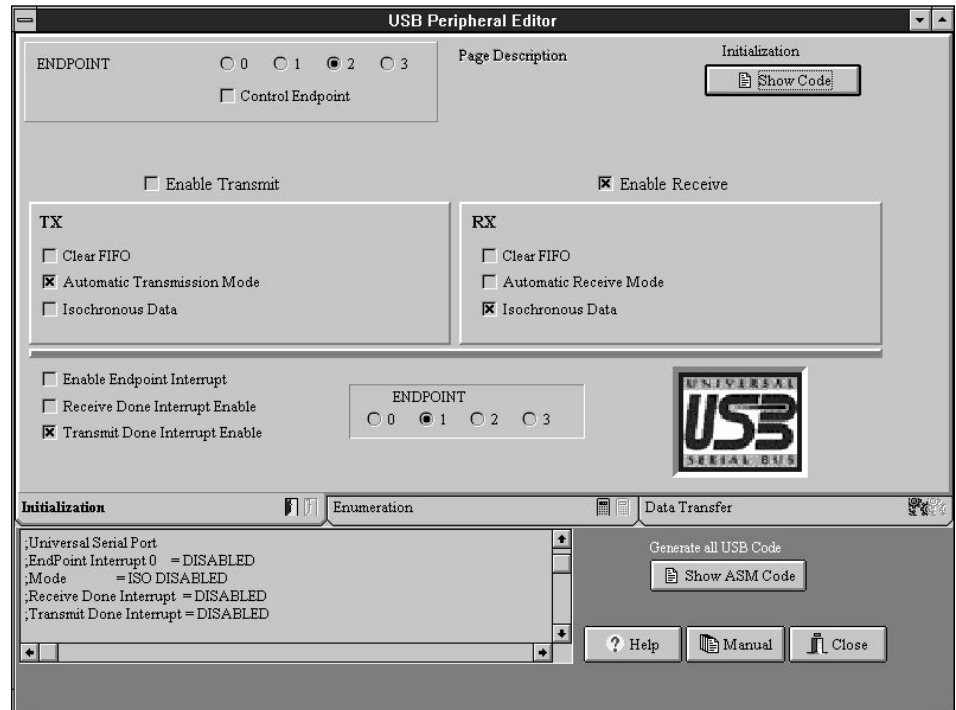# *Ap*BUILDER Interactive Microcontroller Programming Software

- FREE on Intel Web Page & Bulletin Boards
- Supports the Embedded Intel386™, MCS® 51, MCS® 251, 186 & 196 Architectures
- Windows* Interface For Ease of Use
- Generate Microcontroller Peripheral Initialization Code With the Click of Your Mouse
- Code Generation in Assembler or C
- Hypertext Device Users Manuals and Data Sheets
- Always Being Expanded and Improved to Cover New Devices

Become an Architectural Wizard Instantly

*Ap*BUILDER is a powerful tool for programming Intel's Embedded Processors. It was developed by Intel's factory Applications Engineers to reduce your learning curve and shorten the total design time. You can develop peripheral initialization code with just the click of your mouse! Its your system expert on a disk. *Ap*BUILDER software provides you with an interactive instruction and register editor, peripheral design capabilities and code optimization timing. Also available are hypertext device manuals and data sheets so you can learn as you program.

*Ap*BUILDER maps everything a programmer needs to each screen. The options and configuration parameters for the device are displayed screen by screen. By simply pointing your mouse, you select only the valid options for the device. There's a design section that allows you to select the functionality of each integrated peripheral. If you want to program a specific register, *Ap*BUILDER provides the on-line capability of picking and choosing the bits you want to set within the register you want to set. Choose either ASM or C output, hit the "Show Code" button and the source code can be copied to the clipboard. Simply paste the routine from the clipboard to your editor and combine it with your system code. *Ap*BUILDER's code is

fully commented and generated as a function or subroutine callable by your system code. In addition, the functions are programmed with Macros. This programming technique allows the developer to quickly change some configuration parameters (let's say due to a H/W design change) by just changing one macro flag. This translates to faster application development with easier modular code to use.

Personal Computer Requirements: PC with a VGA Monitor, a mouse, DOS & Windows 3.1 or higher RAM: Minimum to run Windows. 4 MB or above.

ORDERING INFORMATION:
*Ap*BUILDER and hypertext microcontroller user's manuals can be downloaded from the Intel home page of the World Wide Web.
Also available from Intel Literature:
U.S. & Canada: (800) 468-8118
Non U.S.: Call Local Intel Sales Office

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