Technological Arts Inc.

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Adapt812

Product Info

Features:

- *compact (2.25 inches x 3.25 inches) modular implementation of 68HC812A4 microcontroller*
- *90 I/O lines, all programmable as input or output, many with input capture, output compare, and key wake-up* interrupt capability
- *8-channel, 8-bit analog-to-digital converter*
- *4K EEPROM and 1K RAM on-chip*
- *includes both RS232 (DB9) and RS485 (2-screw terminal block) interfaces, usable simultaneously*
- *versatile connector design for use with solderless breadboards, prototyping cards, or embedding into your design*
- *virtual plug-in replacement for Adapt11 boards (minor differences)*
- *primary 50-pin connector for dedicated I/O*
- *secondary 50-pin connector for additional I/O or expanded mode memory bus*
- *memory expandable offboard up to 4MB program and 1MB data memory (memory expansion cards for Narrow and Wide mode available)*
- *Background Debug Mode (BDM) fully supported for debugging your code*
- *4-pin and universal 6-pin/10-pin BDM connectors support BDM pods from multiple vendors*
- *program in C, BASIC, or assembler*
- *256-byte firmware bootloader provides convenient downloading via RS232 serial port (BDM pod not required)*
- *fully compatible with third-party assemblers, compilers, and BDM pods*
- *many accessories available*

Downloading your s-record file to Adapt812 is easy!

- connect PC serial cable to Adapt812
- reset board with BOOT/RUN switch in BOOT position
- send your s-record file at 1200 baud via the serial port of virtually any computer or terminal
- use supplied DOS batchfile (eg. to send **myprog.s19** on COM2, type **load2 myprog**) or use ICC12

ASCII download function
- LED flashes during downloading, goes off when finished
- switch to RUN and reset board
- your program is now running!

Want to know more? Ready to buy? Click on the various folder icons at the top of the page to see all available Adapt812 modules, starter packages, memory expansion, application cards, and accessories.

Documentation

- Adapt812 Pinout and Component Placement
- Starter Package Manual
- 68HC812A4 Device User Guide
- Technological Arts Support Library
- Freescale 68HC812A4 webpage
- Adapt812 FAQ

Resources

*Be sure to visit our **Support Library** for the latest manuals, data sheets, app notes, and code examples*

- MiniIDE: Free HC11/HC12 Integrated Editor and Assembler for Windows
- SBASIC compiler for HC11/HC12 (DOS)
- SynCode: Free HC11/HC12 Integrated Editor and GNU C Compiler package for Windows
- Software Examples (in C)
- University of Texas HC12 Labs and Examples
- An Overview of the HC12 - SRS Encoder
- Programming the HC12 (assembler)
- The HC12 Timer Module (SBASIC)
- Support Library

Adapt812 Module
USD $170.00

The original 68HC812A4 module (not recommended for new design). [Product Details...]