



Technological Arts Inc.

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Adapt11 EVBU Module

USD \$59.00



Product Info

OEM version of low-cost, compact Adapt11-style module with virtually all features of the original Motorola EVBU (except RTC chip). Includes standard 9-pin serial connector, and socket for user-supplied MCU. On-board 5V regulator. Use it with BUFFALO as a trainer, or embed it into your design with your own 68HC711 chip. It is also capable of being used to read and program one-time programmable (OTP) chips (ie. 68HC711E9 and 68HC711E20. A guide for doing this can be found here:

<https://www.technologicalarts.ca/shop/documentation/49-adapt11/151-copying-and-burning-68hc711e9-and-e20-chip>

This board supports "burning" OTP 68HC711E9 and 68HC711E20 chips! You supply Vpp (regulated 12VDC). Turn this board into an efficient production programmer by adding this ZIF adapter: <http://www.test-socket.com/#52>. Production programmers for 68HC711 chips are well over \$1,000 these days-- if you can find them-- so this combination makes a very attractive low-cost solution (less than \$100)!

All i/o lines are brought out to a standard 50-pin (2x25) connector footprint, on a 0.1" grid. Several connector styles are offered. Choose the "SB" connector option if you'd like to plug this module into your solderless breadboard like a DIP chip. Or choose the "RA" connector option if you plan to use it with our Adapt11MIB Memory-mapped Interface Board or with a ribbon cable. If you use it as a chip programmer, you don't need a connector. But all of our [standard connector options](#) are available. [View some example configurations here](#). Make your connector option choice before adding to cart:

Product Details

Â Features:

- Compact form factor (1.7" x 2.8")
 - 8 MHz crystal (2 MHz bus speed)
 - Selector switch for Single-chip/Expanded Mode operation
 - Compatible with 12K or 20K OTP ROM HC11 versions (68HC711E9 and 68HC711E20)
 - Works with any 68HC11 A or E series microcontroller supplied in a 52-pin PLCC package
 - Expanded-mode operation supports up to 64K RAM/EPROM/EEPROM/Flash (on external card)
 - 26 general purpose I/O lines (including 3 input captures and 5 output compares)
 - Pulse accumulator, hardware timer, real-time interrupt, watchdog, 2 hardware interrupts
 - 8 channel 8-bit analog-to-digital converter
 - Serial peripheral interface (SPI) port offers virtually unlimited expansion
 - Serial Communications Interface (SCI) port, with programmable baud rate (up to 9600 baud)
 - RS-232 serial port, utilizing on-chip SCI
 - SCI compatible with MIDI and RS485/RS422
 - On-board reset circuit and button, 5V regulator, and RS232 interface (DE9 connector)
 - Low power requirements (35 mA @ 5 Volts DC, regulated nominal); much less in STOP mode
 - All port pins are brought out to standard 50-pin connector pattern
 - Virtual plug-in interchangeability with all Adapt11 family boards
 - 11 connector options for the ultimate in modular design capabilities
 - Low cost-- ideal for embedded applications
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- this product ships with hardcopy data sheet and schematic diagram

Note: the 68HC11 microcontroller chip is not included; buy it separately from the [Components Category at the left](#)

Vendor Information