



# Technological Arts Inc.

*Technological Arts*

## Adapt912D

### Product Info

#### **Features:**

- compact (2.25 inches x 3.25 inches) modular implementation of 68HC912D60A microcontroller (112-pin pin TQFP version)
- up to 86 general purpose I/O lines, all programmable as input or output
- up to 18 input-only lines
- 16 inputs usable as key-wake-up
- CAN 2.0 module with on-board physical layer transceiver (PCA82C250)
- dual independent 8-channel 10-bit ADCs
- provision for two independent on-board precision voltage references (optional)
- 4-channel (8-bit) or 2-channel (16-bit) PWM
- dual SCI (one with RS232 interface and one with RS485 interface)
- on-chip memory:
  - 60K Flash (separate 28K and 32K blocks, with 8K Bootblock in each)
  - 2K RAM
  - 1K EEPROM
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- versatile connector design for use with solderless breadboards, prototyping cards, or embedding into your design
- primary 50-pin connector for dedicated I/O
- secondary 50-pin connector for additional I/O or expanded mode memory bus
- memory expandable offboard possible, up to 64K with 8-bit or 16-bit data bus
- memory expansion board available ( Adapt912DMX1)
- Background Debug Mode (BDM) fully supported for loading and debugging your code
- universal 6-pin/10-pin BDM connectors support BDM pods from multiple vendors
- program in C, BASIC, Forth, assembler, etc.
- fully compatible with ImageCraft's ICC12 C compiler
- 500mA 5V regulator on-board, delivers adequate power for most applications

### Product Details

## Description:

Adapt912DT60A is a compact, modular *Adapt12* form factor board, compatible with an entire range of application cards, prototyping cards, backplanes, and usable with solderless breadboards (**proto boards**). It includes a 5-volt regulator, and both RS485 and RS232 transceivers (usable simultaneously) on board.

## Here are a couple of ways you can use Adapt912DT60:

- fully assembled and tested Adapt912DT60A module with on-chip bootloader
- module supplied with -RA (H1) and -M (H2) connector options (or you can specify)
- disk includes documentation, SBASIC compiler and AS12 assembler
- ADHDR50-F adapter (lets you plug Adapt912 into your solderless breadboard for easy interfacing)
- standard 9-pin serial cable

**Want to know more? Ready to buy? Click on the various folder icons at the top of the page to see all available Adapt912DT60 modules, starter packages, and memory expansion.**

## [Documentation](#)

- [Pinout and Component Layout](#)
- [912D60 Block Diagram](#)
- [912D60 Memory Map](#)
- [MCU Pinout](#)
- [912D60A Datasheet](#)
- [Support Library](#)

## [Resources](#)

Be sure to visit our [Support Library](#) for the latest manuals, data sheets, app notes, and code examples



**Adapt912DT60A MCU Module**  
**USD \$199.00**

[\[Product Details...\]](#)