Cyclone Pro

The Cyclone Pro is the 8 bit programmers equivalent of the Swiss Army Knife. It’s designed to provide debugging and flash programming support for all of these micros –

68HC08  68HCS08  68HC12  68HCS12

For convenience it will interface via serial port, USB and Ethernet. It can be used during the initial program development phase of the project as an interface to the BDM/MON08 debugger facilities of these CPU families. P&E software provides source level debugging and major compiler manufacturers are integrating it into their debuggers.

During development and subsequently it can be used as a PC controlled flash programmer both for on chip flash and in the case of the HC12/S12 for external flash. For production usage the application code can be downloaded into a Cyclone Pro which can then be detached from the PC and used with a simple push button/LED procedure as a standalone programmer.

Features of the Cyclone Pro include:

- Automatic target Baud rate selection
- Automatic target clock detection
- Works with 2 – 5V targets
- Includes flash programming software for HC08, HCS08, HC12, HCS12
- Control of power sequencing for security setting during flash programming.

Only costs £325 (€455)

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1/3 MILLION ENGINEERS

Know exactly where to look for their information!

Over 340,000 visitors have now viewed COMSOL’s website. Not only do we provide lots of real product information but we strive to fill the rest of the site with useful data and a host of links for embedded developers at all stages of their work.

Choosing a CPU – we have details of the support tools available for over 100 processor families.

Looking for information on any aspect of embedded development we have over 350 links to useful sites.

Is the 8051 suitable – our database integrates details of over 650 chips from 35 manufacturers with all the data in conveniently organised tables.

Tutorials are available for those new to the field of CAN and TCP/IP.

Why not check it out for yourself at

www.computer-solutions.co.uk

See over for new products including:

TCP/IP protocols,  CAN I/O,  pocket DSO and LA
Embedded TCP/IP Protocols

An introduction to TCP/IP for those interested in using it in embedded applications is available on our website.

EBS Full function TCP/IP stack

EBSnet 802.11 driver supports wireless networks on embedded CPUs. It uses the same API as their Ethernet drivers so developers can test their device and application in the lab and later use the same code for their wireless application.

RT-SMB allows embedded devices to share files and printers with Windows PCs over LAN and WAN.

PPPoE If your application is set up for PPP then this option allows you to use the same calls to operate over Ethernet. One application, two delivery methods.

CMX MicroNet

CMX MicroNet now supports an enhanced range of processors from 8051s thru to ARMs and with its <16K footprint is ideal for single chip systems. An 802.11 Driver is now available for MicroNet

CAN I/O Module

The PCAN-MicroMod is a small (32 x 36mm) board that can easily be configured to collect or deliver a variety of I/O via the CAN bus. A simple windows application requiring no programming skills configures the on-board micro. Digital inputs can be logically combined, a time delay incorporated and the results applied to the digital output for an element of local autonomous control. Digital and analogue values can be set or collected on command, on an event or at regular intervals and transmitted over the CAN bus. Analogue values can be scaled and a calibration curve applied before they are transmitted.

- 8 10 bit analogue in
- 4 PWM/frequency out
- 8 digital in
- 8 digital out
- 4 rotary encoder in
- 5v supply

Portable Instruments

With fast Parallel and USB interfaces replacing PC card interfaces and smaller form factors these new PC based instruments are eminently suitable for use with portables.

Logic Analysers

This one is the portable version of our 160 channel 500MHz product. Only the size of a video cassette yet it will capture 24 channels at 100MHz into a 128K deep buffer. The sophisticated Windows based package developed for its big brother allows data to be displayed in any combination of timing diagram or digital state list – ideal for capturing information from data busses along with their control signals. An external clock input, variable threshold voltages and high quality clips and connectors make it easy to use.

An I²C aware option makes it especially useful for investigating this popular local bus.

Digital Storage Oscilloscope

This device can interface by Parallel port or USB. As well as providing two channels of 100Msamples/sec it can act as a 50MHz spectrum analyser. Samples rates can go down to 1K/sec and it has a variety of trigger options including TV, nth pulse and pulse width. It can be set up to perform over 45 measurements on the waveform and from that derive a pass fail status to simplify unit tests.

The spectrum analyser uses the DSO to collect the high-speed data so the speed of your PC will only effect the FFT calculation time, which is adequate on even the slowest Windows PC. The DSO can analyse either stable repetitive signals or transient events from DC to half the selected sample rate.