



**Features**

- Intel® Pentium®III FC-370 or Celeron™ processors
- Intel i810e AGP set, dual BGA packages
- Supports FSB up to 100MHz
- Supports 2D/3D graphic display with 4MB VRAM
- Windows®95, 98, 2000, NT, Solaris, SCO, Linux, QNX
- ECP parallel, 2 serial, 2 USB ports
- 10/100 Base-T Ethernet onboard
- Ultra-160 SCSI controller
- Supports ATX function with WOL, Modem-Ring-On, K/B & mouse wake-up
- System Monitoring Feature
- All ICS Advent products are covered by a two year warranty

**Benefits**

- Next-generation processors provide superior PC performance for advanced media and communications applications
- Proven compatibility and performance
- Industry-leading expandability and reliability
- Integrated AGP graphics for greater system density
- Supports prevalent operating systems
- Support for peripheral devices
- No expansion slot required
- Optional high performance throughput for high capacity disk drives and other SCSI devices
- Complete ATX power control interface with supporting enclosure and power supply
- Monitors CPU and system temperature, operating voltage, and fan status
- Comprehensive service and support for top quality products

The Endeavor Plus Family of single board computers extends the ICS Advent applied computing architecture to new levels of enterprise and technical computing. The Endeavor Plus is the most flexible and integrated PICMG compatible single board computer, based on the Pentium III processor. The Endeavor Plus features on board video, optional 10/100 Base-T Ethernet and Ultra III SCSI. The Endeavor Plus provides greater flexibility than other single board computers by supporting ISA only backplanes. This allows you to take advantage of higher processing power while maintaining applications based on the older ISA architecture.

The Endeavor Plus VES is equipped with an AGP video interface, 10/100 Base-T Ethernet, and Ultra-160 SCSI. The Endeavor Plus VE is equipped with AGP video and 10/100 Base-T Ethernet, and the Endeavor Plus V includes AGP video.



[www.icsadvent.com](http://www.icsadvent.com)  
800-523-2320

**Processor Support**

Intel® Celeron™ and Intel Pentium®III  
FC-370, up to 850MHz

**Chipset**

Intel i810e AGP set, Dual BGA  
packages (492/324 pins)

**Cache**

128k cache in Celeron and 256k  
cache in Pentium III

**Memory**

Two 168-pin DIMM sockets support  
3.3V SDRAM up to 512MB

**Graphics Controller**

Intel 82810E Integrated graphics  
controller supports 2D graphics up  
to 1600x1200  
Full 2D H/W acceleration, 100MHz  
SDRAM interface  
Support 4MB SCDRAM with 3D hyper  
pipelined architecture

**On-Board Ethernet 10/100 Base-T  
Controller (optional)**

Intel 82559 Fast Ethernet Controller  
RJ-45 connector at rear panel  
On-chip PCS and scrambler for 10/  
100 Base-T speed

**On-Board Ultra-160 SCSI Controller  
(optional)**

Adaptec AIC-7892 Ultra-160/m SCSI  
controller  
PCI ultra/ultra-wide, single ended/low  
voltage differential controller  
68-pin high-density vertical D-shell  
Up to 160MB/s transfer rate

**DiskOnChip Feature**

One reserved 32-pin socket supports  
M-systems Flash Disk

**Dual Serial Ports**

16C550 compatible dual serial port  
controller  
16 byte receive and transmit FIFO  
buffers

**Enhanced Parallel Port**

Single parallel port controller with  
bidirectional capability  
Enhanced SPP, EPP and ECP modes  
Connected to 26-pin shrouded header

**PS/2 Mouse and Keyboard****Connectors**

PS/2 mouse and keyboard  
connections are supported by two  
6-pin Mini-DIN connectors and one  
5-pin shrouded connector

**Dual EIDE Controller**

Integrated enhanced IDE fixed disk  
controller on PCI local bus

Supports up to four drives: primary  
master and slave, secondary master  
and slave  
Supports LBA, PIO Mode 4, and Ultra  
DMA/33 and Ultra DMA/66

**Floppy Drive Controller**

Supports up to two floppy disk drives,  
capacities of 360K  
to 2.88MB

**Universal Serial Bus Interface**

Dual USB connectors for high speed  
I/O peripheral devices via separate  
optional cable and bracket  
assembly (included)

**Watchdog Timer**

Forces reset if decoded I/O space is  
not written to within specified time-  
out period  
1,8,16,32 sec. time-out intervals by  
BIOS  
Programmable via software to 255  
intervals from 0.5 sec./min. to 254.5  
sec./min.  
Enable and disable by jumper or  
software  
Note: Prefail detect IRQ signal output  
can be routed to IRQ10 or IRQ11 via  
jumper. This option triggers ISA bus  
IRQ if decoded I/O space is not  
written to within half of specified  
timeout period.

**Real-Time Clock/Calendar**

256 bytes of battery-backed RAM  
Up to seven years of battery-backup  
protection

**CMOS Battery**

Onboard lithium 3.0V battery with  
diode protection circuitry

**AMI BIOS**

AMI BIOS with 4Mbit Firmware Hub to  
support DMI, PnP, APM  
256kB flash ROM upgradeable with  
support for BIOS upgrade  
via software

**Board Dimensions**

338.5 (L) x 122 (W) mm  
13.33 (L) x 4.8-inch (W)

**Power Requirements**

+5V@10A (typical), +12V@80mA, -  
12V@20mA

**Operating Temperature**

0 ° to 55 °C

**Operating Systems**

Windows 95/98/NT/2000  
Solaris, SCO, Linux, and QNX

**Corporate Headquarters**

ICS Advent  
6260 Sequense Drive  
San Diego, CA 92121-4371  
Phone: 800 523-2320  
Fax: 858 677-0898  
Email: sales@icsadvent.com  
support@icsadvent.com  
Website: www.icsadvent.com

**International Headquarters**

ICS Advent Europe  
Ben Turner Industrial Estate, Unit 9  
Oving Road, Chichester  
West Sussex, PO19 4ET, UK  
Phone: + 44 (0) 1243 523500  
Fax: + 44 (0) 1243 532949  
Email: sales@icsadvent.co.uk  
support@icsadvent.co.uk  
Website: www.icsadvent.co.uk



www.icsadvent.com  
800-523-2320