



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.

Specifications

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

