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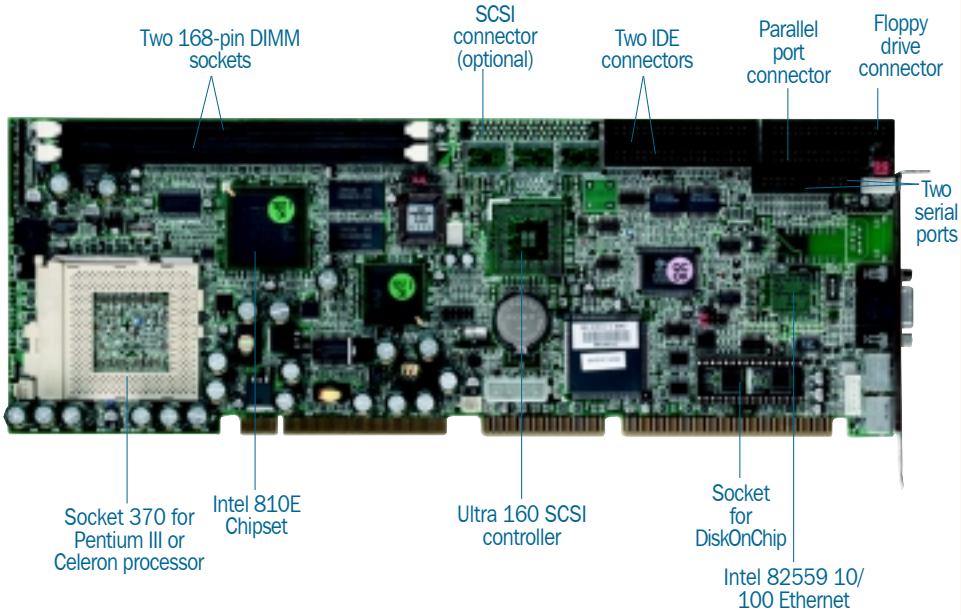
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Find the *Kontron / ICS Advent SBC-SCPIII-VE-04* at our website: *Click HERE*

The Endeavor Plus™ | Applied Computing Single board computer



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.

ICS ADVENT

www.icsadvent.com

800-523-2320

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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

Intel® Applied Computing Platform Provider

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Corporate Headquarters
ICS Advent
6260 Sequence 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

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