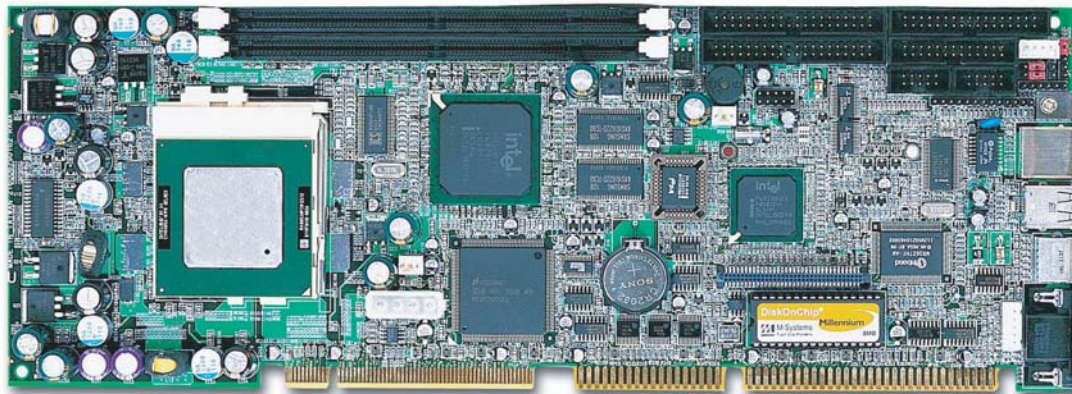


- **SBC-815ET-VER**
- Intel 815E Based PICMG SBC with VGA and Fast Ethernet



Features of the SBC-815ET-VER:

- Socket 370 Celeron® or Pentium® III processor up to 1.26GHz
- 133/100/66MHz FSB
- Intel 815E chipset w/ integrated 3D video
- On-board 10/100Base-T Ethernet
- Up to 512MB PC100/133 SDRAM memory
- Supports Four Ultra DMA/33/66/100 IDE
- Compliant with PCI Bus spec V2.1
- Full support of ATX functionality with WOL, Modem-Ring-On, K/B & Mouse wake-up
- ISA64 driving capability
- DiskOnChip Flash Disk support
- Optional SCSI 160 or Fast Ethernet (2nd) module through proprietary connector (PCI bus)

The SBC-815ET-VER is a full-size PICMG SBC card that supports Intel® Pentium® III or Celeron processors (up to 1.26GHz) with on-die 512k L2 pipelined burst cache. It also supports up to 512MB memory and high performance PCI Ultra DMA33/66/100 IDE.

Onboard support for three Universal Serial Bus (USB 1.1) ports, serial/parallel ports and a floppy interface are standard. This full-sized SBC also provides access to ISA bus peripheral modules such as LAN and VGA controllers, etc.

A built-in Intel Fast Ethernet controller provides fully compatible 10/100Mbps network capability.

► SBC-815ET-VER Technical Specifications

Processor

- Intel® Pentium® III or Intel Celeron® processor, up to 1.26GHz, FC-PGA/FC-PGA2 370 package

Chipset

- Intel 815E with 82801BA (ICH2)

Front Side Bus

- 133/100/66MHz

Cache

- 512K L2 integrated

Memory

- Two 168-pin latching DIMM sockets
- Up to 512MB, PC100/133MHz SDRAM

Super I/O

- Winbond 83627HF low pin count

EIDE

- Support for Four EIDE devices with Ultra DMA 33/66/100

Ethernet

- Onboard 10BASE-T/100BASE-TX Ethernet
- IEEE 802.3u auto-negotiation support

ISA Bus

- ISA64 ISA-bus Driving Capability
- Supports 64mA high driving capability for ISA-bus slot on backplane

DiskOnChip Flash Disk

- Support for M-Systems' flash disk up to 288MB

I/O

- Up to two floppy disk drives
- Two serial, one parallel, one IrDA & three USB 1.1 ports
- One 6-pin mini-DIN connector for keyboard and mouse
- One 5-pin header for external keyboard connection

Expansion Interface

- Proprietary PCI connection interface
- Optional daughter board for Ultra 160 SCSI or Fast Ethernet

VGA Display

- 815E Integrated Graphics Controller chipset
- 4MB display memory
- Resolution up to 1600x1200, 256 Colors @ 85Hz refresh rate

Real Time Clock

- Capable of 7 years of data retention
- External battery

BIOS

- Award BIOS with PC '98 support

ACPI Function

- ATX function with 4-pin header connected to backplane
- Modem-Ring-On and Wake-On-Lan

Watchdog Timer

- Timeout period programmable via software from 0.5 sec. to 254.5 min.
- Can be enabled/disabled by jumper

System Hardware Monitor

- On-board temperature and voltages monitoring
- Beep alarms for failed fan out, over/under temperature threshold

Power Requirements

- +5V@10A (typ.), +12V@200mA, -12V@30mA

Environment

Temperature

- Operating: 0° to 55°C (32° to 131 °F)
- Non-Operating: -20° to 75 °C (-4° to 167 °F)

Humidity

- 5 to 95% (non-condensing)

Dimensions

- 338.5(L) x 122(W) mm
13.33" (L) x 4.8" (W)
6-layer PCB

OS Support

- Linux®, Windows®2000/XP

Approvals

- CE Certified
- FCC Class A

MTBF

- 108,051 hours

Ordering Guide

SBC-815ET-VER (RoHS Compliant)

- Intel processor, up to 1.26GHz, 815E, VGA, Ethernet and audio (processor sold separately)

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