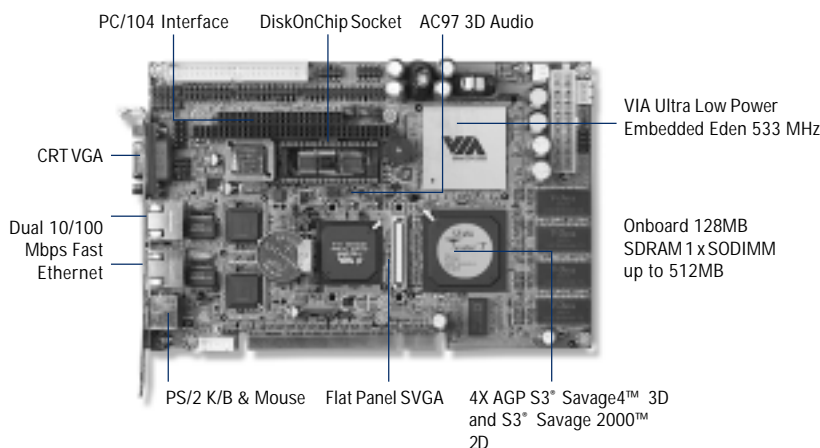


EmCORE-v619

Half-Size PCI VIA Eden SBC with Flat Panel/CRT, TV-Out, Audio and Dual LAN



Features



- ★ **Embedded VIA Eden ESP 5000 at 533 MHz (optional 800 MHz)**
- ★ **128 MB SDRAM soldered onboard, additional 512 MB on SODIMM**
- ★ **UMA Savage 4 (VT8606T) AGP Video Controller with TTL, LVDS, CRT and TV-Out support (daughterboard)**
- ★ **Dual LAN 10/100 Mbps based on Intel 82559 or RTL8139C**
- ★ **PC/104 connector**

Specifications

System

- **CPU:** VIA Eden ESP 5000 Low Voltage CPU 533 MHz with 133 MHz FSB and 64 KB L2 cache, Fanless operation Optional 800 Mhz version (requires fan)
- **System Memory:** 128 MB SDRAM soldered onboard and 1 SODIMM socket for up to 512 MB of additional SDRAM (Optional 256 MB SDRAM soldered onboard)
- **L2 Cache:** CPU Integrated
- **Chipset :** VIA Twister-T™ with VT8606 northbridge and VT82C686B super southbridge
- **BIOS:** Award Flash BIOS with ACPI and APM 1.2 power management
- **Watchdog Timer:** 128-level timer generates RESET or NMI
- **Expansion:** PCI (passive backplane) and PC/104 (ISA)

Multiple I/O

- **Serial:** 1 x high speed RS-232C ports (COM1), 1 x high speed RS-232C/422/485 port (COM2)
- **Parallel:** Support SPP, EPP and ECP mode
- **Enhanced IDE:** 1 x port and up to 2 x ATAPI devices, Ultra DMA transfer 33/66 and 100 MB/sec
- **Floppy:** 2 x floppy disk drives
- **IrDA:** Onboard IrDA TX/RX port
- **USB:** 4 x USB v1.1 ports
- **K/B & Mouse:** PS/2 KB/Mouse on bracket, onboard AT Keyboard port
- **Digital I/O:** 16-bit, 8 Digital In and 8 Digital Out

Dual LAN Options

- **Chipset:** 2 x Intel 82559 (EmCORE-v619VL2N Series) 2 x RTL 8139C (EmCORE-v619VL2R Series)
- **Type:** 10/100 Mbps, autoswitching
- **Interface:** External RJ-45 with LEDs on bracket

Audio

- **Chipset:** AC'97 2.2 compliant integrated in VIA VT82C686B
- **Interface:** LINE-in, CD Audio in, Mic in, Speaker out

Flash Disk

- **DiskOnChip2000 socket support**
- **CompactFlash socket:** For Type I/II cards

Display

- **Chipset:** UMA Savage 4X (VT8606T) AGP Video Controller with TTL, LVDS, CRT and TV-Out support
- **Display Memory:** Up to 32 MB UMA Video RAM
- **CRT:** Up to UXGA 1600 x 1200 32-bit color

Optional Daughterboard supports (FCDB-1221)

- **LVDS:** Dual channel 110 MHz (36-bit color)
- **TTL:** Direct connection to TFT/DSTN panels (36-bit)
- **TV-out:** NTSC, PAL, NTSC-EIA (Japan), 640 x 480 resolutions

Mechanical and Environment

- **Power Requirement:** +5V @ 5A, +3.3 V @ 1.4 A, +12 V @ 0.24 A* (VIA Eden 533 MHz + 128 MB SDRAM)
- **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
- **Relative Humidity:** Up ~ 90% @ 55°C
- **Dimension (L x W):** 185 x 122 mm (7.3" x 4.8")
- **Weight:** 0.28 Kg (0.126 lb)

Ordering Information

EmCORE-v619VL2N/E533

Half-size PCI VIA Eden 533 SBC with Flat Panel / CRT, TV-out, Audio, Dual Intel 82559 LAN and 128 MB SDRAM

EmCORE-v619VL2R/E533

Half-size PCI VIA Eden 533 SBC with Flat Panel / CRT SVGA, TV-out, Audio, Dual Realtek 8139C LAN and 128 MB SDRAM

Both above boards require daughterboard to connect Flat Panel or TV

FCDB-1221

Flat Panel TTL/LVDS/TV-Out Daughterboard

PCI Passive Backplane Series

Page 3-18