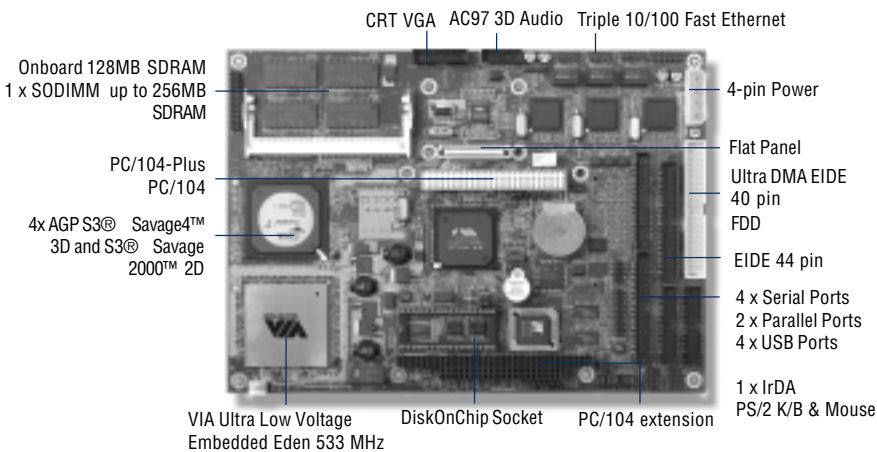


EmCORE-v615

5.25" VIA Eden Miniboard with Flat Panel / CRT, Audio and Triple 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)**
- ★ **Single or Triple LAN 10/100 Mbps based on Intel 82559 or RTL8139C**
- ★ **Less than 12 W power consumption**

Specifications

System

- **CPU:** VIA Eden ESP 5000 Low Voltage CPU 533 MHz, FSB 133 MHz and 64 KB L2 cache, Fanless operation Optional 800-1Ghz version (requires fan)
- **System Memory:** 128 MB SDRAM soldered onboard and one 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
- **Enhanced IDE:** 2 ports and up to 4 ATAPI devices, Ultra DMA transfer rates 100MB/sec(Ultra DMA 100MB/s 40 Pin; Ultra DMA 33MB/s 44 Pin)
- **BIOS:** Award Flash BIOS with ACPI and APM 1.2 power management
- **Watchdog Timer:** 128-level timer generates RESET or NMI
- **Expansion:** PC/104-Plus connector (PCI + ISA)

Multiple I/O

- **Serial:** 3 high speed RS-232C ports (COM1, 3, 4), 1 high speed RS-232C/422/485 port (COM2)
- **Parallel:** SPP, EPP and ECP mode
- **Floppy:** 1 port up to 2 floppy disk drives
- **IrDA:** Onboard IrDA TX/RX port
- **USB:** 4 USB v1.1 ports
- **K/B & Mouse:** PS/2 KB/Mouse port, onboard AT Keyboard port
- **Digital I/O:** 16-bit, 8 Digital In and 8 Digital Out

LAN

- **Chipset:** 10/100 Mbps LAN either single port Intel 82559 (EmCORE-v615VL3/N) or triple port RTL8139C (EmCORE-v615VL3/R)
- **Connector:** external RJ-45 with LEDs

Audio

- **Chipset:** VIA VT82C686B, AC'97 2.2compliant
- **Connector:** Line-in, CD Audio in, Mic in, Speaker out

Flash Disk

- **DiskOnChip2000 socket:** 16 MB ~ 1 GB Flash Disks
- **CompactFlash socket:** Type I/II cards up to 2.2GB

Display

- **Chipset:** UMA Savage 4 (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

- **LVDS:** One channel 110 MHz (18-bit color)
- **TTL:** Support TFT/DSTN panels (36-bit)
- **TV-out:** NTSC, PAL, NTSC-EIA (Japan), 640 x 480 resolutions

Mechanical and Environment

- **Power Requirement:** +5 V @ 1.8 A, +12 V @ 0.13 A typical (with Eden ESP 5000 at 533 MHz and 128 MB SDRAM)
- **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
- **Relative Humidity:** Up to 90% @ 55°C
- **Dimension (L x W):** 203 x 146 mm (8" x 5.75")
- **Weight:** 0.32 Kg (0.7 lb)

Ordering Information

EmCORE-v615VLN/E533

5.25" VIA Eden 533 MHz miniboard with 128 MB soldered SDRAM, single Intel 82559 LAN, AC97 3D Audio, PC/104-Plus and CompactFlash interface

Cable Kit for EmCORE-v615VLN/E533

6910906150010

EmCORE-v615VL3N/E533

Same as above with triple Intel 82559 LAN

EmCORE-v615VL3R/E533

Same as above with triple Realtek 8139C LAN

Cable Kit for EmCORE-v615VL3N/E533 & EmCORE-v615VL3R/E533

6910906150000

FCDB-1221

TTL/LVDS/TV-out daughterboard

Page 3-45