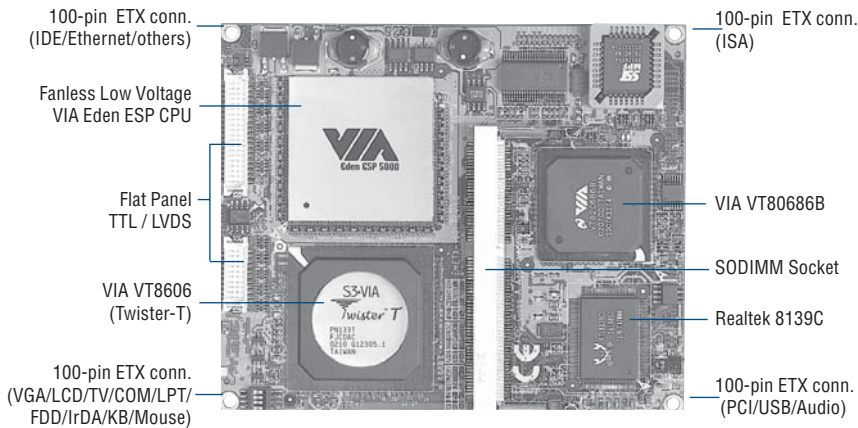


EmETX-v601

VIA Eden ESP with Twister-T™ supports Flat Panel / CRT / TV-out , Audio, LAN



Features

- * Embedded VIA Eden ESP 5000 at 533 MHz fanless optional 800 MHz requires fan)
- * SDRAM up to 512 MB (SODIMM)
- * UMA Savage 4 (VT8606T) AGP Video Controller with TTL, LVDS, CRT and TV-Out support
- * 10/100 Mbps Ethernet, RTL 8139C with Wake On LAN
- * Supports Unique Board ID# for software based security and IP protection

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** : up to 512 MB SDRAM on 144-pin SODIMM module
- **L2 Cache** : integrated in CPU (see above)
- **Chipset** : VIA Twister-T™ with VT8606 northbridge and VT82C686B super southbridge
- **Enhanced IDE**: two ports and up to 4 ATAPI devices, supports Ultra DMA transfer rates of up to 100 MB/sec
- **BIOS** : AWARD Flash BIOS with ACPI and APM 1.2 power management
- **Watchdog Timer**: 128-level timer generates RESET or NMI
- **Expansion** : ETX (includes PCI/ISA)

Multi I/O

- **Serial**: 1 high speed RS-232C port (COM1)
1 high speed RS-232C/422/485 port (COM2)
- **Parallel**: SPP, EPP and ECP mode
- **Floppy Port** : can be implemented on carrier board
- **IrDA**: supports SIR IrDA 1.1 compliant
- **USB**: supports 4 ports
- **K/B & Mouse**: one PS/2 keyboard and one PS/2 mouse

LAN

- **Chipset**: Realtek 8139C
- **Ethernet Interface** : 10/100 Mbps, Wake-on-LAN supported

Audio

- **Chipset**: included in VT82C686B
- **Audio Controller** : AC97 ver. 2.0 (Soundblaster compatible)

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 @ 32bpp
- **LVDS** : supports dual channel 110 MHz (36-bit)
- **TTL** : direct connection to TFT/DSTN panels (36-bit)
- **TV-out** : support NTSC, PAL, NTSC-EIA (Japan) format, 640 x 480 resolutions

Mechanical and Environmental

- **Power Requirement (+5V only)** : 14 Watt typical ; (VIA Eden 533 MHz with 256 MB SDRAM)
- **Operating Temperature** : 0 to 60°C (32 to 140°F)
- **Relative Humidity** : up to 90% @ 55°C
- **ETX Board Dimesions** : 95 mm x 114 mm (3.7" x 4.5")
- **Weight** : 87 grams

Ordering Information

- **Standard:**
EmETX-v601/E533
VIA Eden ESP 5000 at 533 MHz, VIA Twister-T™ ETX Module
- **Related Products**
PBE-1000
ATX formfactor Evaluation Board for ETX series *see 1-4*
Heat sink
2631040950000
SODIMM
64 MB 5150064001440
128 MB 5150128001440