



Features

- Onboard Ultra Low Power Pentium® III or Celeron processor
- Integrated AGP 4X 2D/3D Graphics Accelerator
- 10/100Base-T Fast Ethernet
- Integrated AC97 2.0 SoundBlaster-compatible legacy audio
- Supports 36-bit TTL/LVDS/TV-out Interface
- One SDRAM SODIMM up to 512MB

Specifications

System

- **CPU** Ultra Low Power Intel® Pentium® III or Celeron Processor
- **System Memory** SDRAM SODIMM x 1, Max. 512MB
- **Chipset** VT8606 / VT82C686B
- **I/O Chipset** VIA VT82C686B
- **BIOS** Award 256KB FLASH BIOS
- **Ethernet** RTL8139C/RTL8100BL
RJ-45 connector x 1 on the evaluation board
- **Watchdog Timer** Can generate a system reset or NMI
- **Expansion Interface** Support PCI & ISA interface
- **H/W Status Monitoring** Embedded in VIA VT82C686B supports power supply voltages, fan speed, and temperature monitoring

Mechanical and Environmental

- **Power Requirement** 6.5W typical (Intel Celeron 400MHz with 256MB SDRAM) ; 14.5W typical (Intel Pentium III Tualatin 800 MHz with 256MB SDRAM)
- **Size/Weight** 4.5" (L) X 3.7" (W) (114mm x 94mm), 0.19 lb. (0.087kg)
- **Operating temperature** 32°F to 140°F (0°C to 60°C)
- **Relatively Humidity** 0% ~ 90% relative humidity

I/O

- **MIO** EIDE (UDMA100) x 2, KB x 1, Mouse x 1, RS-232 x 1, RS-232/422/485 x 1, Parallel x 1
- **IrDA** Support SIR IrDA 1.1 compliant
- **Audio** VIA VT82C686B with AC97 2.0 compliant audio codec VT1612
- **USB** Support 4 USB ports

Display

- **Chipset** VIA VT8606 Integrated Savage4 2D/3D Video Accelerator, 4x AGP and 128 bit engine
- **Memory Size** Shared memory up to 32MB
- **Resolution** Up to 1600x1200 @ 16bpp colors for CRT
Up to 1024x768 @ 16bpp colors for LCD
- **LCD Interface** 18/36-bit TTL/dual channel LVDS TFT LCD.
Supports CRT and Flat panel simultaneously
- **TV-out** VIA 1621 supports NTSC/PAL composite outputs
- **LVDS Interface** Supports By Carrier Board

Packing List

- Quick Installation Guide
- Utility CD

Ordering information

Standard

- **ETX-622-400** Intel Ultra Low Power Celeron® processor at 400MHz ETX CPU Module with LCD, LAN and Audio
- **ETX-622-800** Intel Ultra Low Power Pentium® III processor at 800MHz ETX CPU Module with LCD, LAN and Audio

Optional

- **M166220000** Heat sink for ETX-622
- **ECB-2600** ATX Carrier Board for ETX CPU Modules with 6 Expansion Slots

SDRAM

32MB ~ 512MB