

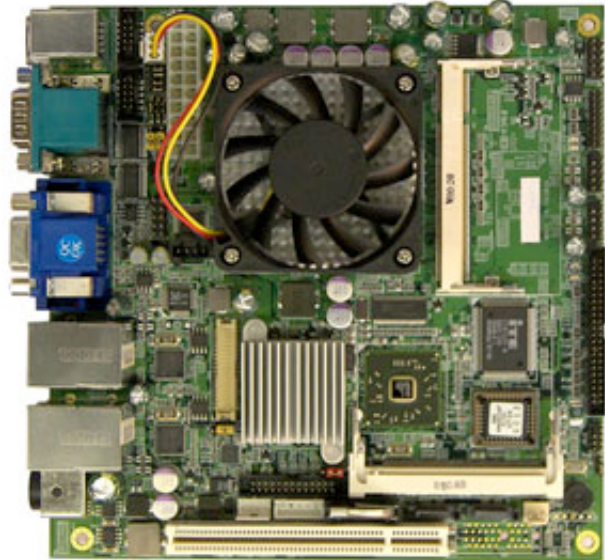


2807880 - Mini-ITX Motherboard with Socket S1 for AMD Mobile Turion X2 / Sempron series processors

# Detailed Product Spec:

## CPU/CHIPSET

**CPU Socket:** PGA-ZIF 638-pin (Socket S1)  
**CPU:** AMD Mobile Turion X2 / Sempron series processors  
**FSB:** 800 MHz HyperTransport  
**Chipset:** ATI RS690E and SB600  
**BIOS:** AMI BIOS  
**Watchdog Timer:** Generates a system reset with internal timer for 1min/s ~ 255min/s  
**Real-Time Clock:** Chipset integrated RTC with onboard lithium battery  
**Super I/O Chipset:** 1 x ITE 8712F



## MEMORY

**Memory Slots:** 2 x 200-pin SO-DIMM  
**Memory Standard:** DDR2 533 / 667 MHz SDRAM  
**Maximum Memory Supported:** 4 GB  
**Dual Channel Memory Support:** No  
**ECC Memory Support:** No  
**Onboard Memory:** No

## STORAGE CONTROLLERS

**IDE Controller:** 1 x 44-pin Ultra ATA-33 / 66 / 100 MHz  
EIDE Channel supports up to 2 IDE devices or 1 [Disk on Module](#)  
**Serial ATA (SATA):** 2 x SATA-300  
**Compact Flash:** 1 x Compact Flash Type I/II  
**Disk On Chip (DOC):** No

## AUDIO/VIDEO CHIPSETS

**Audio Chipset:** Intel Integrated with Realtek ALC655 Audio  
**Video Chipset:** ATI Radeon X-1250  
**Video Memory:** Up to 256 MB shared with system memory  
**Video Resolution:** [Click for Details](#)

## EXPANSION

**PCI Express Mini-Card (Mini-PCIe):** No  
**Mini-PCI Socket:** 1 x Mini PCI  
**PCIe Slot:** No

**PCI Slot:** 1 x PCI  
**ISA Slot:** No  
**PC/104:** No  
**PC/104 Plus:** No  
**AGP Slot:** No  
**Mini-AGP Socket:** No

## ETHERNET

**10/100 (Fast) LAN Ports:** No  
**Gigabit LAN Ports:** 2 x Realtek RTL8111B 10/100/1000  
Gigabit Ethernet Controller

## I/O

**Audio:** 1 x Line In, Line Out, Mic In (external I/O), 1 x Front Panel Audio via onboard header (cable not included)

**SPDIF:** No

**VGA:** 1 x VGA (external I/O)

**TTL:** No

**LVDS:** 1 x 24-bit LVDS

**DVI:** 1 x DVI

**HDMI:** No

**HDTV-Out:** No

**TV-Out:** No

**Serial (COM) Port:** 1 x RS-232C (COM1) (External), 1 x RS-232C/422/485 (COM2) (External), 2 x RS-232C (COM3, COM4)

**USB Port:** 8 x USB 2.0 (4 x external I/O , 4 x internal via onboard header) (cable not included)

**IrDA Port:** No

**Floppy Port:** No

**PS/2 Port:** 1 x PS/2 keyboard connector, 1 x PS/2 Mouse Connector (external I/O)

**GPIO Port:** 1 x 16-bit GPIO

**LPT (Parallel) Port:** No

**IEEE 1394 (Firewire) Port:** 1 x IEEE 1394

## POWER

**Power Consumption:** 12V:3.12A, 5V:4.49A, 3.3V:1.30A, 5Vsb:0.32 - 65.78 Watts is the typical power consumption with two Mobile AMD Turion 64 TL56 CPUs running at 1.8 GHz and 256 KB cache, 256 MB of DDR2 533 SDRAM, 40 GB HDD, AUO M170EG01 17" display, Windows XP OS, and 3DMark 2003 application

**Power Management:** ACPI 1.0, APM 1.2, Power Save Mode

**Power Connector:** 1 x 20-pin ATX or 1 x 4-pin 8 ~ 21V full-range DC Input

## MECHANICAL/ENVIRONMENTAL

**Form Factor:** Mini-ITX

**Dimensions:** W: 6.7" x D: 6.7" (170mm x 170mm)

**Operating Temperature:** 0°C ~ 60 °C (32 °F ~ 140 °F)

**Storage Temperature:** -20 °C ~ 80 °C (-4 °F ~ 176 °F)

**Relative Humidity:** 5 ~ 90% (non-condensing)

**Approximate Weight:** 0.7 lbs (0.32 kg)

## SOFTWARE NOTES

**Notes:** Specific power consumption calculations can be performed per your request, please contact your sales representative for more information at (800)833-8999

## ORDERING OPTIONS

**2807880A** : Mini-ITX Motherboard with AMD Mobile Turion X2 / Sempron Processor, Two 200-pin DDR2 533/667 SO-DIMM Sockets supporting up to 4 GB SDRAM, VGA, LVDS, one PCI slot, one Mini PCI slot, Eight USB - Version 2.0.

**2807880B** : Same as option A, but with Embedded AMD Mobile Sempron 3700+ Processor

**2807880C** : Same as option A, but with Embedded AMD Mobile Sempron 2100+ Processor

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