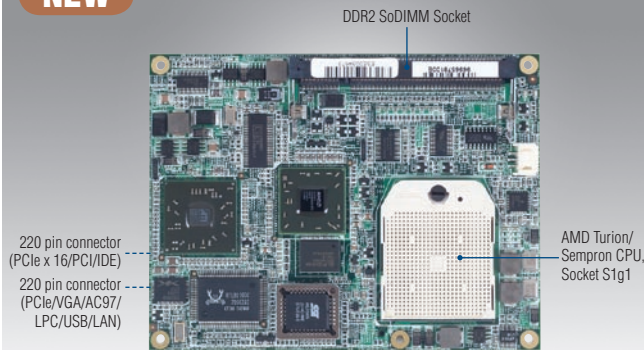


# SOM-5781

## AMD Turion™/Sempron™ S1g1 CPU COM-Express Module with CPU, VGA/LVDS, Audio & LAN

**NEW**



### Features

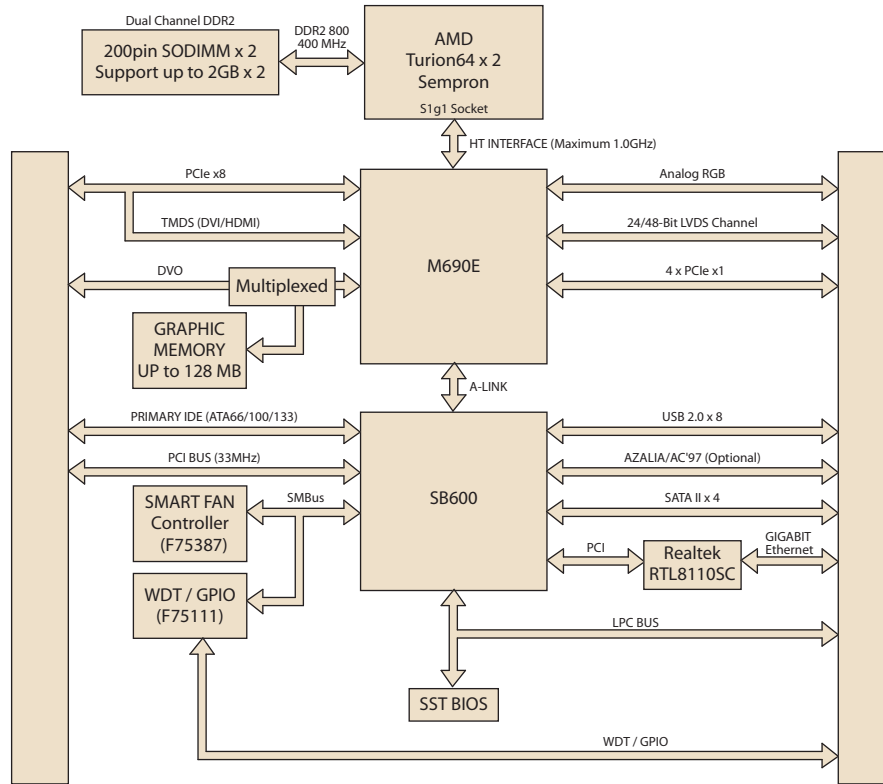
- Supports AMD Turion™ TL-62/Sempron™ 3700+/Sempron 2100+ CPU, socket S1g1
- AMD 690E integrated high performance 2D/3D accelerated graphic chip
- Supports dual channel LVDS up to 48/24-bit TFT panel
- Supports two DDR2 800 MHz SODIMM memory up to 4 GB
- GbE LAN/8 USB 2.0/4 PCI-E x 1/4 SATA



### Specifications

Processor System	CPU	Supports AMD Turion TL62/Sempron 3700+/Sempron 2100+ CPU, Socket S1g1
	System Memory	2 x 200-pin SoDIMM sockets, DDR2 800 MHZ up to 4 GB
	System Chipset	AMD 690E/SB600 Chipset
	BIOS	AWARD 8Mbit Flash BIOS
	WatchDog Timer	256 levels timer interval, from 0 to 255 sec. or min, setup by software, jumperless selection, generates system reset
I/O	Expansion Interface	Support PCI Express & PCI/LPC interface
	PATA	1 x EIDE (UDMA 100)
	SATA II	4 x SATA, data transfer rates up to 300 MB/s
	USB	8 x USB 2.0 compliant ports
	Audio	High definition audio interface
Ethernet	Chipset	Realtek RTL8110SC Gigabit Ethernet
	Speed	1000Base-T
Display	Chipset	AMD M690E
	Memory Size	Share system memory up to 256 MB or on board 128 MB side port memory (optional)
	Resolution	CRT Display Mode: Up to 2048 x 1536 @ 32bit for a maximum pixel clock speed of 400 MHz LCD Interface: Supports 48/24bit LVDS TFT LCD up to 1280 x 1024
Environmental	Power Supply Voltage	+12 V only
	Power Requirement	Typical: (1 GB DDR2 667) +12 V @ 1.87 A (AMD Turion 64 x 2 TL-62) +12 V @ 1.43 A (AMD Sempron 2100+)
		Max: (1 GB DDR2 667) +12 V @ 3.06 A (AMD Turion 64 x 2 TL-62) +12 V @ 1.46 A (AMD Sempron 2100+)
		Operating Temperature
Operating Humidity	0% ~ 90% relative humidity, non-condensing	
Mechanical	Dimensions (L x W)	125 x 95 mm (4.92" x 3.74")

## Board Diagram



## Ordering Information

### SOM Module

Part No.	Description
SOM-5781FL-S0A1E	AMD Sempron 2100+ @ 1 GHz
SOM-5781FL-U0A1E	AMD Sempron 3700+ @ 2.0 GHz
SOM-5781FL-U1A1E	AMD Turion Dual-Core TL-62 @ 2.1 GHz

### Development Board

Part. No.	Description
SOM-DB5700G-00A2E	Development Board for SOM-Express GLAN Rev. A2