



## ESM-A50M

AMD G-Series Processors T56N Type6 COMe Basic Module with AMD A50M Chipset

- > Onboard AMD G-Series T56N BGA Processor
- > AMD A50M Chipset
- > Two 204pin SODIMM Up to 8GB DDR3 1066/1333 SDRAM
- > Dual View, Dual Channel 18/24-bit LVDS
- > Realtek 8111E Gigabit Ethernet
- > 4 SATA, 8 USB 2.0, 8-bit GPIO
- > Type 6 Pin-out
- > Support TPM

### + Spec

System	
<b>Processor</b>	AMD G-Series T56N 2-Core 1.6GHz processor / AMD G-Series T40E 2-Core 1.0GHz processor
<b>System Chipset</b>	AMD G-Series A50M Chipset
<b>System Memory</b>	2 x 204-Pin DDR3 1066/1333MHz SO-DIMM up to 8 GB
<b>BIOS</b>	AMI 32Mbit SPI BIOS
<b>TPM</b>	TPM 1.2
Expansion	
<b>Expansion</b>	7 x PCIe1
I/O	
<b>USB</b>	8 x USB 2.0
<b>SATA</b>	4 x SATA II
<b>DIO</b>	1 x 8bit GPIO
<b>MIO</b>	1 x LPC, 1 x SMBus, 1 x I2C
<b>Other</b>	1 x EIDE
Display	
<b>Chipset</b>	AMD Fusion Accelerated Processors
<b>Resolution</b>	VGA:Max. resolution 1920x1200@ 60Hz / LVDS:Max. resolution 1920x1200@ 60Hz
<b>LVDS</b>	Dual Channel 18/24-bit LVDS
<b>Multiple Display</b>	VGA+LVDS / HDM+LVDS / VGA+HDMI
Audio	
<b>Chipset</b>	AMD Fusion Accelerated Processors
<b>Audio Interface</b>	AMD High Definition Audio
Ethernet	
<b>Chipset</b>	1 x Intel®82577LM
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
Mechanical & Environmental	
<b>Power Requirement</b>	+8V ~ +18V
<b>ACPI</b>	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
<b>Power Type</b>	AT/ATX
<b>Operating Temp</b>	0°C ~ 60°C (32°F ~ 140°F) (Standard) (Extended)
<b>Storage Temp</b>	-40°C ~ 75°C (-40°F ~ 167°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Dimension (L x W)</b>	5" x 3.7" (125mm x 95mm)
Certifications	
<b>Certification Information</b>	CE, FCC Class B
Software Support	
<b>OS Information</b>	Win XP, Win 7, Linux



**+** Ordering

EEV-EX14-A1R  
Type 2 MicroATX Ev. Board for COM Express Rev 1.0

ESM-A50M-40E-A1R  
AMD T40E 1.0GHz A50M COM Express Module Type 6

ESM-A50M-56N-A1R  
AMD T56N 1.6GHz A50M COM Express Module Type 6

EEV-EX62-A1R  
COMe Type 6 to Type 2 Adapter