



Features

- Onboard AMD G-Series T56N BGA Processor
- AMD G-Series A50M Chipset
- Two 204-Pin SO-DIMM Up to 8GB DDR3 1066/1333 SDRAM
- Dual View, Dual Channel 18/24-bit LVDS
- Realtek B111E Gigabit Ethernet
- 4 x SATA, 8 x USB 2.0, 8-bit GPIO
- Type 6 Pin-out
- Support TPM

CH9
Computer on Modules - COM Express



Specifications

System

Processor	AMD G-Series T56N 2-Core 1.6GHz processor AMD G-Series T40E 2-Core 1.0GHz processor
System Chipset	AMD G-Series A50M Chipset
System Memory	2 x 204-Pin DDR3 1066/1333MHz SO-DIMM, up to 8 GB
BIOS	AMI 32Mbit SPI BIOS

Expansion & Storage

Expansion	7 x PCIe x1
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I/O

USB	8 x USB 2.0
SATA	4 x SATA II
Other	1 x EIDE
DIO	1 x 8bit GPIO
MIO	1 x SMBus, 1 x LPC, 1 x I2C

Display

Chipset	AMD Fusion Accelerated Processors
Resolution	LVDS : 1920 x 1200 @ 60Hz VGA : 1920 x 1200 @ 60Hz
LVDS	Dual Channel 18/24-bit LVDS
Multiple Display	VGA+LVDS , HDMI+LVDS, VGA+HDMI

Audio

Chipset	AMD Fusion Accelerated Processors
Interface	AMD High Definition Audio

Ethernet

LAN Chip	Intel® 82577LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible

Mechanical & Environmental

Power Requirement	+8V ~ +18V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	AT/ATX
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)
Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Size (L x W)	5" x 3.7" (125mm x 95mm)

Certification & Software Support

Certification	CE, FCC Class B
OS Information	Win XP, Win 7, Linux

Ordering Information

- 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