



AMD G-series Processor

AMD A50M Chipset

Two 204-pin DDR3 SODIMM Up to 8GB DDR3 1066/ 1333 SDRAM

Features

- AMD G-series Processor (T40E, T56N)
- AMD A50M Chipset
- Two 204-pin DDR3 SODIMM Up to 8GB DDR3 1066/ 1333 SDRAM
- Dual View, Dual-Channel 18/ 24-bit LVDS
- Realtek 8111E Gigabit Ethernet
- 4 SATA, 8 USB, 8-bit GPIO
- Type 6 Pin-out
- TPM (Support Version 1.2)

Specifications

System

• CPU	AMD G-series Processor (T40E, T56N)
• BIOS	AMI 32Mbit SPI BIOS
• System Chipset	AMD A50M
• System Memory	Two 204-pin DDR3 SODIMM Socket, Supports Up to 8GB DDR3 1066/ 1333 SDRAM
• Expansion	7 PCIe x1
• TPM	Support Version 1.2

I/O

• MIO	4 x Serial ATA Ports, SMBus/ I ² C Bus
• USB	8 x USB 2.0
• DIO	4-bit GPI, 4-bit GPO

Display

• Chipset	AMD Fusion Accelerated Processors
• Resolution	CRT Mode: 1920 x 1200 @ 60Hz (with T40E CPU) 2560 x 1600 @ 60Hz (with T56N CPU) LCD/ Simultaneous Mode: 1920 x 1200 @ 60Hz
• Multiple Display	CRT + LVDS, HDMI + LVDS, CRT + HDMI
• LVDS Interface	Dual-Channel 18/ 24-bit LVDS

Audio Interface

• HD Codec	AMD A50M Integrated
• Audio Interface	AMD A50M High Definition Audio

Ethernet

• LAN	Realtek 8111E Gigabit Ethernet
• Ethernet Interface	10/ 100/ 1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

• Power Requirement	+8 ~ +18V
• ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
• Power Type	AT/ ATX
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
• Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Size (L x W)	5" x 3.7" (125mm x 95mm)
• Weight	0.44lbs (0.2kg)

Ordering Information

- **ESM-A50M**
AMD eOntario COM Express Type 6 Module with AMD A50M Chipset
- **EEV-EX14**
Micro ATX COM Express Type 6 Carrier Board for evaluation