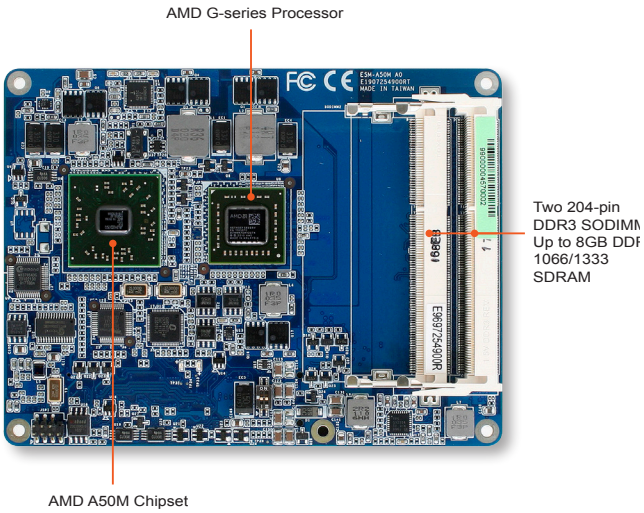
ESM-A50M ▪ AMD eOntario COM Express Type 6 Module with AMD A50M Chipset



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 PCIex1
TPM	Support Version 1.2

I/O

MIO	4 x Serial ATA Ports, SMbus/I²C 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

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