



Features

- AMD T40E Dual Core 1.0GHz CPU without Fan or Optional T56N Dual Core 1.65GHz CPU with Fan
- AMD A50M Chipset
- Onboard 2G DDR3 1333 SDRAM, One 204-pin DDR3 SODIMM Up to 4GB DDR3 1333 SDRAM
- Dual View, 2-CH LVDS, HDMI
- 5.1-CH Audio, Dual Gigabit Ethernet, 2W Amplifier
- Two Mini PCIe Slots, Supports Optional mSATA
- 1 CF, 2 SATA, 2 COM, 8 USB, 16-bit GPIO
- +12V ~ 26V Wide Voltage Power Input
- Compliance with ErP/EuP 2.0



Specifications

System

CPU	AMD T40E Dual Core 1.0GHz CPU without Fan or Optional T56N Dual Core 1.65GHz CPU with Fan
BIOS	AMI 32Mbit SPI BIOS
System Chipset	AMD A50M
I/O Chip	Nuvoton W83627DHG-P
System Memory	Onboard 2G DDR3 1333 SDRAM, One 204-pin DDR3 SODIMM Socket Supports Up to 4GB DDR3 1333 SDRAM
SSD	One CompactFlash Type I/II Socket
Watchdog Timer	Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control
Expansion	2 x Mini-PCIe (Optional mSATA Supported)

I/O

MIO	2 x SATA Connector (7-pin); 2 x COM with Pin Header LPC, CIR, 1 x HDMI or 1 x Display Port (Co-layout)
USB	8 x USB 2.0 Ports
DIO	8-bit GPI, 8-bit GPO (PCA9555)

Display

Chipset	AMD Fusion Accelerated Processors
Resolution	CRT Mode: T56N : 2560 x 1600 @ 60Hz T40E : 1920 x 1200 @ 60Hz LCD/Simultaneous Mode : 1600 x 1200 @ 75Hz HDMI : 1920 x 1200 @ 60Hz Display Port T56N : 2560 x 1600 @ 60Hz T40E : 1920 x 1200 @ 60Hz 18-bit LVDS : 1400 x 1050 @ 60Hz Dual 24-bit LVDS : 1920 x 1200 @ 60Hz
Multiple Display	CRT + LVDS, HDMI + LVDS, CRT + HDMI
LCD Interface	18-bit LVDS or Dual-channel 18/24-bit LVDS (Transfer Through DDI)

Audio

AC97 Codec	Realtek ALC892 Supports 5.1-CH Audio
Audio Interface	Headphone (Jack), AMP Line-out, Line-in, and Mic-in (in Header)
Audio Amplifier	2W Per Channel

Ethernet

LAN Chip	2 x Realtek 8111E (Optional 2nd LAN CO-lay with KB/MS)
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

Power Requirement	+12V ~ 26V
ACPI	Single power ATX Support S0, S1, 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)	8" x 5.75" (203mm x 146mm)
Weight	0.55lb (0.25kg)

Ordering Information

EBM-A50M

5.25" AMD eOntario Mini Module with AMD A50M Chipset

ACC-CF-xx

CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)

ACC-MEM-xx

Memory Series (xx = Capacity, Capacity Option: 256, 512MB, 1, 2GB)