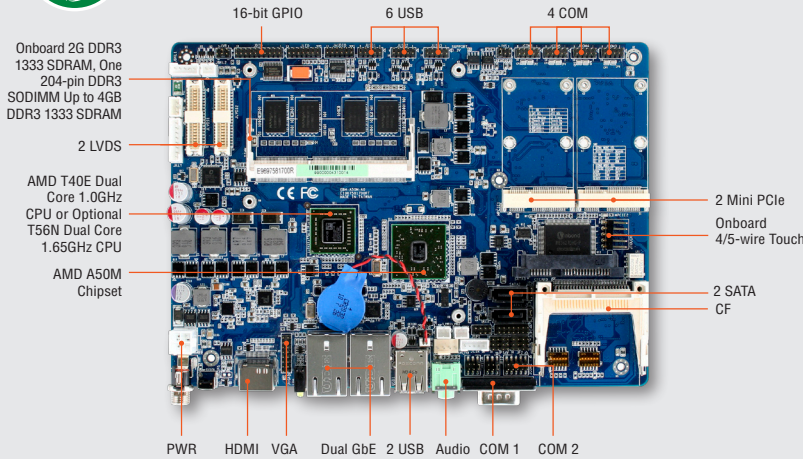




# EBM-A50M

## AMD eOntario 5.25" Mini Module with AMD A50M Chipset



### 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

7.1-CH Audio, Dual Gigabit Ethernet, 2W Amplifier

Two Mini PCIe Slots, Optional Supports mSATA

1 CF, 2 SATA, 6 COM, 8 USB, 16-bit GPIO

+12V ~ 28V 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	Winbond 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, Auto Trotting Control when CPU Overheats
• 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)
• TPM	Nuvoton WPCT200AA0WG (Optional)

#### 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 7.1-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

#### Touch Screen Interface (Optional)

• Chipset	EETI ETP-CO-S458XRU Supports 4/5-wire
• Touch Screen Interface	With 5-pin 2.0mm Box Header (Can be Selected to Support 4/5-wire Touch Screen)

#### Mechanical & Environmental

• Power Requirement	+12V ~ 28V
• 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, 512 MB, 1, 2 GB)

5.25" SBC