



Features

- **AMD eOntario T40E 1.00GHz CPU**
(Optional T16R 615MHz or T56N 1.60GHz CPU)
- **AMD A50M Chipset**
- **One 204-pin DDR3 SODIMM Socket Supports Up to 4GB DDR3 1066 SDRAM**
- **Dual View, Dual-channel 18/ 24-bit LVDS, CRT, HDMI**
- **5.1-CH Audio, Dual Gigabit Ethernet**
- **1 CF, 2 SATA, 2 COM, 7 USB, 16-bit GPIO**

Specifications

System

• CPU	AMD eOntario T40E 1.00GHz CPU (Optional T16R 615MHz or T56N 1.60GHz CPU)
• BIOS	AMI 32Mbit SPI BIOS
• System Chipset	AMD A50M
• I/O Chip	Nuvoton W83627DHG-P
• System Memory	One 204-pin DDR3 SODIMM Socket Supports Up to 4GB DDR3 1066 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	1 x Mini PCIe (mSATA Supported)

I/O

• MIO	1 x RS-232, 1 x RS-232/ 422/ 485, LPC, 2 x SATA
• USB	7 x USB 2.0
• DIO	8-bit GPI, 8-bit GPO

Display

• Chipset	AMD Fusion Accelerated Processors
• Resolution	CRT Mode: 1920 x 1200 @ 75Hz (T40N) CRT Mode: 2560 x 1600 @ 75Hz (T56N) LCD/ Simultaneous Mode: 1920 x 1200 @ 75Hz (T40N) LCD/ Simultaneous Mode: 2048 x 1536 @ 75Hz (T56N)
• Multiple Display	CRT + LVDS, HDMI + LVDS, CRT + HDMI
• LCD Interface	Dual-channel 18/ 24-bit LVDS (Transfer Through DDI)

Built-in Touch Screen (Optional)

• Chipset	PenMount 6000
• Touch Screen Interface	With 9-pin 2mm Box Header (Can be Selected to Support 4/ 5/ 8-wire Touch Screen)

Audio

• HD Codec	Realtek ALC892 Supports 5.1-CH Audio
• Audio Interface	High Definition Audio

Ethernet

• LAN	2 x Realtek 8111E Gigabit Ethernet
• Ethernet Interface	10/ 100/ 1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

• Power Requirement	+12V
• ACPI	Single Power ATX Support S0, S1, S3, S4, S5 ACPI 3.0 Compliant
• Power Type	Single Power 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)	5.7" x 4" (146mm x 101mm)
• Weight	0.44lbs (0.2kg)

Ordering Information

- **ECM-A50M-40E**
AMD eOntario T40E 3.5" Micro Module with AMD A50M Chipset and CRT, 2-CH LVDS, HDMI, 5.1-CH Audio, 2 Gigabit Ethernet, CF, 2 SATA, 2 COM, 7 USB & 16-bit GPIO
- **ECM-A50M-56N**
AMD eOntario T56N 3.5" Micro Module with AMD A50M Chipset and CRT, 2-CH LVDS, HDMI, 5.1-CH Audio, 2 Gigabit Ethernet, CF, 2 SATA, 2 COM, 7 USB & 16-bit GPIO
- **ECM-A50M-16R**
AMD eOntario T16R 3.5" Micro Module with AMD A50M Chipset and CRT, 2-CH LVDS, HDMI, 5.1-CH Audio, 2 Gigabit Ethernet, CF, 2 SATA, 2 COM, 7 USB & 16-bit GPIO
- **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)