



### Features

- **AMD eOntario T40N 1.00GHz CPU (Optional T56N 1.60GHz CPU)**
- **AMD A50M Chipset**
- **One 204-pin DDR3 SODIMM Socket Supports Up to 4GB DDR3 1066 SDRAM**
- **Dual View, 2-CH LVDS, CRT, HDMI**
- **7.1-CH Audio, Dual Gigabit Ethernet**
- **1 CF, 2 SATA, 2 COM, 7 USB, 16-bit GPIO**



### Specifications

#### System

• <b>CPU</b>	AMD eOntario T40N 1.00GHz CPU (Optional T56N 1.60GHz CPU)
• <b>BIOS</b>	AMI 8Mbit SPI BIOS
• <b>System Chipset</b>	AMD A50M
• <b>I/O Chip</b>	Winbond W83627DHG-P
• <b>System Memory</b>	One 204-pin DDR3 SODIMM Socket Supports Up to 4GB DDR3 1066 SDRAM
• <b>SSD</b>	One CompactFlash Type I/II Socket
• <b>Watchdog Timer</b>	Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
• <b>H/W Status Monitor</b>	Monitoring System Temperature, Voltage, Auto Throttling Control When CPU Overheats
• <b>Expansion</b>	1 x Mini PCIe (mSATA Supported)

#### I/O

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

#### Display

• <b>Chipset</b>	AMD Fusion Accelerated Processors
• <b>Resolution</b>	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)
• <b>Multiple Display</b>	CRT + LVDS, HDMI + LVDS, CRT + HDMI
• <b>LCD Interface</b>	Dual-channel 18/24-bit LVDS (Transfer Through DDI)

#### Built-in Touch Screen (Optional)

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

#### Audio

• <b>AC97 Codec</b>	Realtek ALC892 Supports 7.1-CH Audio
• <b>Audio Interface</b>	Mic-in, Line-in, Line-out

#### Ethernet

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

#### Mechanical & Environmental

• <b>Power Requirement</b>	+12V
• <b>ACPI</b>	Single Power ATX Support S0, S1, S3, S4, S5 ACPI 3.0 Compliant
• <b>Power Type</b>	AT/ ATX
• <b>Operating Temperature</b>	0 ~ 60°C (32 ~ 140°F)
• <b>Storage Temperature</b>	-40 ~ 75°C (-40 ~ 167°F)
• <b>Operating Humidity</b>	0%~90% Relative Humidity, Non-condensing
• <b>Size (L x W)</b>	5.7" x 4" (146mm x 101mm)
• <b>Weight</b>	0.44lbs (0.2kg)

### Ordering Information

- **ECM-A50M**  
AMD eOntario T40N 3.5" Micro Module with AMD A50M Chipset and CRT, 2-CH LVDS, HDMI, 7.1-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)