



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

Embedded System

Qseven Module

COM Express /ETX/XTX

3.5" SBC

EPIC

5.25" SBC

ATX

Micro ATX

Mini ITX

Nano ITX

Rack Mount System

Mini ITX System

Peripherals

Index



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)