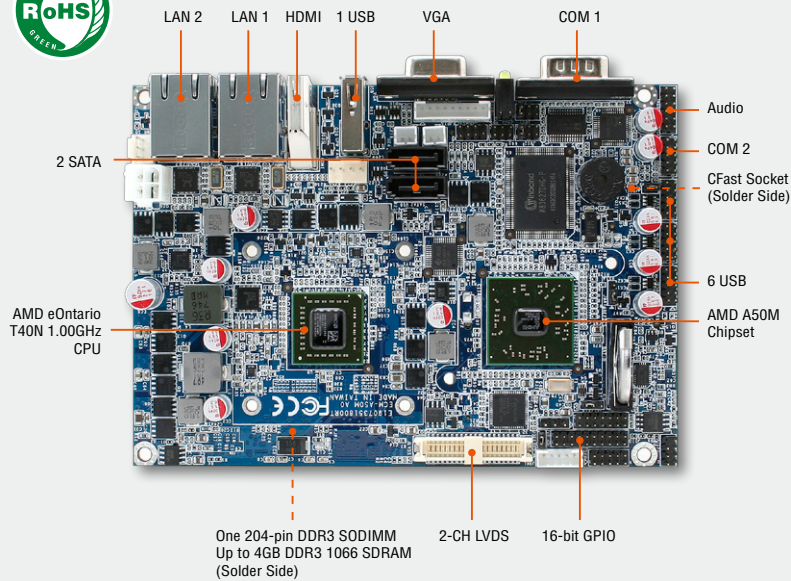


DEVICE SPECIFICATION.

AVALUE
ECM-A50M



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

| | |
|-----------------------------|--|
| • CPU | AMD eOntario T40N 1.00GHz CPU (Optional T56N 1.60GHz CPU) |
| • BIOS | AMI 8Mbit SPI BIOS |
| • System Chipset | AMD A50M |
| • I/O Chip | Winbond 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, Auto Throttling Control When CPU Overheats |
| • 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

| | |
|--------------------------|--------------------------------------|
| • AC97 Codec | Realtek ALC892 Supports 7.1-CH Audio |
| • Audio Interface | Mic-in, Line-in, Line-out |

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 | 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**
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)

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