



ERS-A50M

Fanless AMD eOntario T56N Rugged Embedded System with AMD A50M Chipset



Features

- Onboard AMD eOntario T56N 1.6GHz CPU
- AMD A50M Chipset
- One 204-pin DDR3 SODIMM Up to 4GB DDR3 1066 SDRAM
- 1 mSATA, 1 CF, 1 SSD
- Dual Gigabit Ethernet, 5.1-CH Audio
- 1 VGA, 1 HDMI, 2 COM, 6 USB
- Service Windows, Easy to Install HDD/ SSD and Memory
- Operating Temperature -10 ~ 50°C, Ambient w/ Air Flow

AMD A50M	5.1-CH Audio	2 GbE	1 CF	mSATA
HDMI	2 COM	6 USB	Mini PCI	Fanless

Specifications

System

• Board	ECM-A50M-56N
• CPU	Onboard AMD eOntario T56N 1.6GHz CPU
• BIOS	AMI 32Mbit SPI BIOS
• System Chipset	AMD A50M Chipset
• I/O Chip	Winbond W83627DHG-P
• System Memory	One 204-pin DDR3 SODIMM Up to 4GB DDR3 1066 SDRAM
• SSD	1 x CompactFlash Type I/II Socket
• Hard Disk	1 x 2.5" SATA HDD/ SSD
• Watchdog Timer	Reset: 1 sec. ~ 255min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature, Voltage with Auto Throttling Control

External I/O

• COM	2 x RS-232 (COM2 can be set as RS-422/485 by BIOS and conformable cable)
• LAN	2 x RJ-45
• Antenna	2 Knockouts for Antenna Mounting (Options to Add WiFi & 3G)
• VGA	1 x VGA
• HDMI	1 x HDMI
• Audio	Mic-in, Line-in, Line-out
• USB	6 x USB 2.0 (Rear 5, Front 1)
• Expansions	1 Mini PCIe Socket (mSATA Supported)

Display

• Chipset	AMD Radeon 6320
• Resolution	VGA: 2560 x 1600 @ 75Hz HDMI: 1920 x 1200 @75Hz

Audio

• Audio Chipset	Realtek ALC892 Supports 5.1-CH Audio
• Audio Interface	Mic-in, Line-in and Line-out

Ethernet

• LAN Chip	Dual Realtek 8111E Gigabit Ethernet, Supports Wake on LAN
• Ethernet Interface	10/100/1000 Base-Tx Fast Ethernet Compatible

Environment & Mechanical

• Power Requirement	+12 ~ +24Vdc (+12V/ 5A Lockable DC Plug Adapter is an Accessory to This System)
• ACPI	Single Power ATX Support S0, S1, S3, S4, S5 and ACPI 3.0 Compliant
• Power Type	AT/ ATX
• Operating Temperature	-10°C ~ 50°C (w/CF), Ambient w/ Air Flow
• Storage Temperature	-40°C ~ 75°C (-40 ~ 167°F)
• Relative Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Vibration Protection	With CF/ SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 1hr/axis
• Shock Protection	With CF/ SSD: 50G, IEC 60068-2-27, Half Sine, 11ms
• Dimension (W x D x H)	271mm x 150mm x 55mm
• Weight	5.5lbs (2.5Kgs)

Ordering Information

- **ERS-A50M-56N-A1-1R**
Fanless AMD eOntario T56N Rugged Embedded System with AMD A50M Chipset and Heatsink, VGA, HDMI, 2 COM, 6 USB, 2 Gigabit Ethernet, CF, Audio, 12V DC Input
- **ACC-ERS-WM**
ERS Series Wall Mount Kit (RoHS)
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 2, 4, 8, 16, 32GB)