

# ARTEMIS



## Artemis Slim Form Factor

### Key Features

- NVIDIA® MCP78S Chipset
- AMD® Phenom™ Processor
- Athlon™ 64 X2 Dual Core Processor
- Athlon™ 64FX Processor
- Athlon™ 64 Processor
- 64-bit AMD® Sempron Processor
- Integrated NVIDIA® GeForce 8200 Video
- Supports Windows Vista™
- 3600 MHz System Bus Speed
- Gigabit LAN
- Dual Channel DDR2 SDRAM
- Up to 12 USB 2.0 Ports
- 300W Power Supply
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

The Artemis CT2-M346 is a technological masterpiece that pushes the envelope of performance while minimizing power consumption. When powered by the latest AMD® Phenom™ processor, Artemis blows through the most demanding processing loads, including advanced multitasking, critical business productivity, advanced visual design and modeling, as well as visually stunning digital media and entertainment. The integrated NVIDIA® GeForce 8200 delivers amazing graphics performance, allowing playback of latest Blu-ray and HD DVD titles. Artemis's NVIDIA® MCP78S chipset also boasts Hybrid SLI Instant IGP/GPU Switching, which instantly switches between a discrete graphics card (GPU) and the integrated graphics processor (IGP) depending on the graphics workload. For example, tasks such as office work or web browsing would require only the IGP. However, for more intense operations such as high-end business applications, the discrete GPU can be initiated. Not only does this reduce power consumption, it extends the life of your video card. In addition, Artemis's slim, condensed design guarantees a smaller desktop footprint, which aids in reducing desktop clutter. Simply stated, the Artemis CT2-M346 leads the pack in system performance and capability.



# Model CT2-M346

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## Processor

Socket AM2 Package or AM2+ Package  
3600 MHz, 2000 MHz or 1600 MHz System Bus Speed (SBS)  
Phenom Quad-Core CPU: 9500 to 9600  
2.2 GHz to 2.3 GHz (3600 MHz SBS)  
Athlon 64 X2 Dual-Core CPU: 3600+ to 6400+  
1.9 GHz to 3.2 GHz (2000 MHz SBS)  
Athlon 64FX CPU: FX-51 to 74  
2.2 GHz to 3.0 GHz (1600 MHz SBS and 2000 MHz SBS)  
Athlon 64 CPU: 3000+, 3200+, 3500+, 3800+, 4000+, LE-1600 and LE-1620  
1.8 GHz to 2.6 GHz (1000 MHz SBS and 2000 MHz SBS)  
Sempron: LE-1100 to LE-1250, 2800+ to 3800+  
1.6 GHz to 2.2 GHz (1600 MHz SBS)

## Chipset

NVIDIA® MCP78S Chipset

## BIOS

4 Mbit Flash ROM  
AMI BIOS - DMI 2.0, WfM 2.0, Plug & Play,  
Award® JumperFree Trend® ChipAway Virus, SM BIOS 2.3  
PC '01 Compliant

## System Memory

Four 240-pin DDR2 1066/800/667/533 SDRAM Memory  
Unbuffered ECC and non-ECC DIMMs  
Dual Channel Memory Architecture  
512 MB, 1 GB and 2 GB  
Maximum Memory capacity of 8 GB

## System Management

Hardware, Voltage and Thermal Monitoring  
Enhanced Advanced Configuration and Power Interface (ACPI) v1.0b  
LAN Wake, Resume-on-Ring, Wake-from-USB, and Wake-from-PS/2 Devices Support  
Instantly Available PC Technology  
Alert Standard Format (ASF) v2.0

## Storage Devices

First Independent Channel via NVIDIA® MCP78S Chipset  
Supports Two Ultra DMA 66/100/133 IDE Devices)  
Supports Four JMicron 381 Serial ATA Devices (3Gb/sec maximum transfer rate)  
Supports RAID 0, RAID 1, RAID 5 and RAID 0 +1

## Integrated Video

NVIDIA® GeForce 8200 mGPU  
NVIDIA® Hybrid SLI Technology  
GeForce Boost Technology  
HybridPower Technology  
Supports DirectX 10 Support  
PureVideo HD (1080p)

## Integrated Audio

Integrated 8 (7.1)-Channel High Definition Audio  
RealTek ALC888 Audio CODEC  
Front Panel Connectors: Headphone & Microphone In  
Back Panel Connectors: Line-in, Line-out and Microphone-in  
and Flexible 8-Channel Audio With Jack Sensing

## Integrated Super I/O

One VGA Port  
One Serial Port (via internal header)  
One PS/2 Keyboard Port and One PS/2 Mouse Port  
One SPP/ECP/EPP Parallel Port  
One DVI Port  
One HDMI Port  
Twelve USB 2.0 Ports (2 in the front, 4 in the back and 6 via internal header)  
Two IEEE 1394a Ports (1 port at the front and 1 via internal header)  
One RJ-45 Port  
One Floppy Controller Supporting up to One 2.88 MB Floppy Drive

## Integrated Gigabit

RealTek® 8211BL Gigabit Ethernet Controller (10/100/1000 Mbps/sec) LAN Subsystem

## Expansion Slots

Three Low Profile PCI Slots  
One Low Profile PCI Express x16

## Dimensions (d) x (w) x (h) mm/inch

395 x 325 x 95/ 16.5 x 12.8 x 3.7

## Drive Bays

5.25 inch External	1
3.5 inch External	1
3.5 inch Internal	2

## Power Supply Features

Input Voltage	100-127 VAC/200-240 VAC
Input Frequency	50/60 Hz
Input Current	5 A
Device Power Connectors	2 for 5.25" and 1 for 3.5" Devices
SATA Device Connectors	4
Maximum Output	300 Watts
Form Factor	TFX Active PFC
Soft Power Switch	DC On/Off via TTL Signal

## Environmental

Operating Temperature:	0° to 35° C / 32° to 95° F
Storage Temperature:	-40° to 70° C / -42° to 158° F
Relative Humidity:	92% RH @ 36° C / 97° F

## Regulatory & Product Certifications

EMI/RFI:	FCC Declaration of Conformity (DoC)
Safety:	Underwriter Laboratories (UL) 60950, 3rd Edition
EPA:	Energy Star Compliant

## Options

60 mm Cooling Fan	1
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