

# ARTEMIS



## Artemis Series Workstation

### Key Features

- Slim Form Factor Convertible Chassis
- 250 Watt Power Supply
- ATI Radeon® Xpress 200 Chipset
- Intel® Pentium® D Processor 8xx 9xx (Dual-Core)
- Intel® Pentium® 4 Processor 6xx
- 533 MHz or 800 MHz Front Side Bus
- Maximum 2 GB 667MHz DDR2 SDRAM
- PCI Express x16
- Integrated 6-Channel (5.1) High Definition Audio
- Gigabit LAN Connectivity
- Front Panel USB 2.0 and Audio Connections
- Six High-speed USB 2.0 Ports
- IDE/Serial ATA 3GB/s with support for RAID
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

The Artemis Series Model A277 proves once again that if high bandwidth capability and leading-edge performance seamlessly blend together, a computing colossus emerges. Its raw processing power is provided by twin physical processors astride each other on a single silicon, the Intel® Pentium® D Processor 8xx 9xx (Dual-Core). Making inroads on heat dissipation and acoustics, the Artemis runs cooler and quieter with new processor thermals and power enhancements. Higher data throughput is provided by the Artemis' dual channel 667MHz DDR2 SDRAM memory utilization. Whether graphically rendering scenes of ancient Greek mythology or mundanely creating workflow presentations, stellar video technologies such as the Artemis' ATI Radeon® X300 graphics or PCI Express x16 architecture lends to any demand load. Straddling over safe harbor storage technologies such as Parallel ATA and Serial ATA, the Artemis offers solid support for current and next generational 3GB/s drives. Olympian 8-channel surround sound output reverberates from the Artemis' retasking jacks or digital S/PDIF connector. Like a wonder of the ancient world, the Artemis stands as a sure-footed giant among the common computing field.



# Model CT1-A277

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## Processor

FC-LGA4 Package (775-land Package)  
Intel® NetBurst™ Microarchitecture  
533 MHz or 800 MHz Front Side Bus (FSB)  
Intel® Pentium® 4 Processors 6xx  
3.0 GHz to 3.8 GHz (800 MHz FSB)  
Intel® Pentium® D Processors 8xx 9xx (Dual-Core)  
2.66 GHz to 3.4 GHz (800 MHz FSB)  
Intel® Celeron® D Processors 3xx  
2.53 GHz to 3.33 GHz (533 MHz FSB)

## Chipset

ATI® Radeon® Xpress 200 GPU Northbridge  
ULI M1575 PCI Express™ Southbridge  
PCI 2.2 Compliant & Concurrent PCI for Real-Time I/O

## BIOS

4 Mbit Flash EEPROM  
Award® PCI BIOS - DMI 2.0, WfM 2.0, Plug & Play,  
Award® JumperFree Trend® ChipAway Virus  
Automatic Hard Disk Detection and Build-in Password Protection  
Supports ZIP Drives and IDE CD-ROM  
Enhanced Advanced Configuration and Power Interface (ACPI) v1.0b  
PC '01 Compliant

## Cache

Intel® Celeron® D Processor 3xx  
12k pop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache  
256 KB On-die, Full Speed Level 2 Cache (Advanced Transfer Cache)  
Intel® Pentium® 4 Processor 6xx  
12k pop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache  
1 MB or 2 MB On-die, Full Speed Level 2 Cache (Advanced Transfer Cache)  
Intel® Pentium® D Processor 8xx 9xx (Dual-Core)  
2 x (12k pop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache)  
2 x (1 MB or 2 MB On-die, Full Speed Level 2 Cache)

## System Memory

Two 240-pin DIMM Sockets supporting non-ECC 400 MHz, 533 MHz, and  
667 MHz DDR2 SDRAM Memory  
Dual Channel Memory Architecture  
128 MB, 256 MB, 512 MB, and 1 GB DIMMs  
Maximum Memory capacity of 2 GB

## System Management

Asus Q-Fan Cooling Technology  
Auto throttling of CPU fan in suspend mode to save power  
Auto slow-down of CPU when overheating is detected  
Power supply voltage monitoring and alert  
System resources: Memory & hard disk drive utilization monitoring & alert  
Wake-On-LAN and Wake-On-Ring support

## Integrated PCI IDE

1 Independent Channel - PCI Bus Master IDE Ports  
Supports 2 IDE and EIDE Devices  
Supports PIO Modes 3 & 4 (17 MB/sec maximum)  
Supports Bus Master 8237-style DMA Mode (16 MB/sec maximum)  
Supports Bus Master Ultra DMA/33/66/100/133 (133 MB/sec maximum)  
ATAPI CD-ROM Supported

## Integrated Serial ATA/RAID

4 Independent Channels  
Supports 4 SATA Devices  
Supports 3 GB/sec (SATA-IO Specification)  
Supports RAID 0, RAID 1, RAID 0 + 1, and JBOD

## Integrated Video

Integrated ATI® X300 Series Graphics Controller  
Supports Resolutions up to 2048 x 1536 @ 32bpp  
HDTV Component Output for Modes up to 1080i  
Dynamic Video Memory Technology (DVMT) Supporting up to 256 MB

## Integrated Audio

Analog Devices SoundMAX® AD1986A 6-Channel (5.1) Audio CODEC  
Front Panel Connectors: Line-out/Retasking Jack E and Microphone-in/Retasking Jack A  
Back Panel Connectors: S/PDIF Digital Audio Out Optical, Surround Left & Right/Retasking Jack F, Line-in/Retasking Jack C, Line-out/Retasking Jack D, and Microphone-in/Retasking Jack B

## Integrated Gigabit

RealTEK RTL8111B Single-chip Gigabit LOM Ethernet Controller  
Integrated 10/100/1000 Transceiver

## Integrated Super I/O

Floppy Controller for Mode 3 Support (up to 2.88 MB drive type)  
One PS/2 Keyboard Port and One PS/2 Mouse Port  
One Serial Port  
One ECP/EPP Parallel Port  
Six USB 2.0 Ports: Two Dual Back and One Dual Front Panel Connectors  
One VGA Port  
One RJ-45 Port  
One TV-out via Internal Header (Optional)

## Expansion Slots

Two PCI, One PCI Express x1 and One PCI Express x16

## Bus Architecture

32-bit PCI, PCI Express x1 and PCI Express x16

## Housing Configuration

Slim Form Factor Convertible Chassis

## 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	1
2.5 inch Internal	1

## Power Supply Features

Input Voltage	100-127 VAC/200-240 VAC
Input Frequency	50/60 Hz
Input Currents	7 A / 3.5 A
Device Power Connectors	3 for 5.25" and 1 for 3.5" Devices
Maximum Output	250 Watts
Form Factor	TFX
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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