

# ARTEMIS



## Key Features

- Slim Form Factor Convertible Chassis
- Intel® 945G Chipset
- Intel® Celeron® D Processor 3xx
- Intel® Pentium® D Processor 8xx 9xx (Dual-Core)
- 533 MHz, 800 MHz, or 1066MHz FSB
- Dual Channel DDR2 SDRAM
- Intel® PRO 1000 Gigabit Ethernet
- Intel® GMA 950 Graphics and PCI Express x16
- Integrated 6-Channel (5.1) High Definition Audio
- Intel® Trusted Platform Module (TPM) x1.2
- Intel® Matrix Storage Technology
- Intel® Active Management Technology (Intel® AMT)
- Firewire® and USB 2.0 Ports
- 250 Watt Power Supply
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

## Artemis Slim Form Factor

The Artemis Series Model I283 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 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' Intel® GMA 950 graphics or PCI Express x16 architecture lends to any demand load. Straddling over safe harbor storage technologies such as Serial ATA and Intel® Matrix Storage Technology, the Artemis offers solid support for RAID and next generational 3GB/s drives. Olympian 6-channel surround sound output reverberates from the Artemis' retasking jacks. Like a wonder of the ancient world, the Artemis stands as a sure-footed giant among the common computing field.



# Model CT1-I283

# Artemis Slim Form Factor

## Processor

FC-LGA4 Package (775-land Package)  
Intel® NetBurst™ Microarchitecture  
533 MHz, 800 MHz, or 1066 MHz Front Side Bus (FSB)  
Intel® Celeron® D Processors 3xx  
2.53 GHz to 3.2 GHz (533 MHz FSB)  
Intel® Pentium® 4 Processors 5xx & 6xx  
3.0 GHz to 3.8 GHz (800 MHz FSB)  
Intel® Pentium® D Processors 8xx 9xx (Dual-Core)  
2.8 GHz to 3.6 GHz (800 MHz FSB)

## Chipset

Intel® 945G Chipset  
Intel® 82945G Graphics Memory Controller Hub (GMCH) with Direct Media Interface (DMI) Interconnect  
Intel® 82801GR I/O Controller Hub (ICH7-R) with DMI Interconnect  
Intel® Serial Peripheral Interface (SPI) Flash Device  
PCI 2.2 Compliant & Concurrent PCI for Real-Time I/O

## BIOS

4 Mbit (512 KB) Flash Memory Device via Intel® SPI Flash Memory  
System Management BIOS (SMBIOS)  
DMI 2.0, WfM 2.0, Plug & Play, SMBIOS, Multi-Lingual support  
Supports CD-ROM, Diskette, Hard Disk or Network Bootup  
PC '01 Compliant

## Cache

Intel® Celeron® D Processor 3xx  
12k µop 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 5xx & 6xx  
12k µop 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 µop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache)  
2 x (1 MB On-die, Full Speed Level 2 Cache)

## System Memory

Four 240-pin Dual Channel DIMM Sockets supporting Non-ECC 667 MHz and 533 MHz  
DDR2 SDRAM Memory  
128 MB, 256 MB, 512 MB and 1 GB DIMMs  
Maximum Memory Capacity of 4 GB

## System Management

Intel® Hardware Management Subsystem  
Hardware Monitoring and Fan Control ASIC  
Chassis Intrusion and Detection  
Thermal and Voltage 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  
Intel® Active Management Technology (Intel® AMT)

## Integrated PCI IDE

First Independent Channel via Intel® 82801G I/O Hub (ICH7)  
Supports Two IDE or EIDE Drives  
Supports Bus Master Ultra DMA/33/66/100 (100 MB/sec maximum)

## Integrated Serial ATA/RAID

4 Independent Channels  
Supports 4 Serial ATA Devices  
Supports 3 GB/sec maximum (SATA-IO Specification)  
Intel® Matrix Storage Technology via Intel® 82801GR I/O Controller Hub (ICH7-R)  
Supports RAID 0, RAID 1, RAID 5, RAID 0 +1 or RAID 10

## Security & Encryption

Intel® Trusted Platform Module (TPM) v1.2  
Protects Encryption and Signature Keys and Supports Attestation

## Integrated Video

Intel® Graphics Media Accelerator (GMA) 950  
Dynamic Video Memory Technology (DVMT) up to 224 MB  
Supports Intel® Advanced Digital Display (ADD2/ADD2+) Cards

## Integrated LAN

Integrated Gigabit Ethernet Subsystem  
Intel® 82573E Gigabit Ethernet Controller  
One RJ-45 Port with Two Integrated LEDs

## Integrated Audio

Integrated 6-Channel (5.1) High Definition Audio Subsystem  
Intel® 82801G I/O Controller Hub (ICH7)  
SigmaTel® STAC9220 Audio CODEC w/ Universal Jacks™ Functionality  
Front Panel Connectors: Line Out /Retasking Jack, and Microphone In /Retasking Jack  
Back Panel Connectors: Line In/Retasking Jack, Line Out/Retasking Jack, and Microphone In/Retasking Jack

## Integrated Super I/O

Floppy Controller for Mode 3 Support (up to 2.88 MB drive type)  
1 PS/2 Keyboard and 1 PS/2 Mouse Port  
One Serial Port (16550 Fast UART Compatible)  
One ECP/EPP Parallel Port  
Eight USB 2.0 Ports  
Two Rear Dual Stack, One Front Dual Stack, and Two via Internal Headers (Optional)  
Three IEEE 1394 Ports  
One Rear Panel, One Front, and One via Internal Header (Optional)

## Expansion Slots

Two PCI Conventional  
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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