

# ARTEMIS



## Key Features

- Slim Form Factor Convertible Chassis
- Intel® 945GC Chipset
- Intel® Core™ 2 Duo Processor E6XXX, E4XXX
- Intel® Pentium® Dual-Core E2xxx
- Intel® Pentium® D Processor 8xx 9xx (Dual-Core)
- Supports Windows Vista™
- 800 MHz or 1066 MHz Front Side Bus
- Intel® GMA 950 Graphics and PCI Express x16
- Integrated 6-Channel (5.1) High Definition Audio
- Dual Channel DDR2 SDRAM
- Up to 8 USB 2.0 Ports
- 250W Power Supply
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

## Artemis Slim Form Factor

The Artemis CT1-A340 is a steadfast workhorse that bestows an effective combination of performance and value. It's slim, condensed design guarantees a smaller desktop footprint, which aids in reducing desktop clutter. When powered by the most advanced Intel® Core® 2 Duo processor, multi-threaded applications and multitasking are a snap. With Intel® 950 Graphics Memory Accelerator, Artemis automatically provides great performance for 3D graphics and other memory demanding applications, making the extra expense of a separate graphics card unnecessary. In addition, Artemis' integrated Intel® High Definition 6-channel audio architecture guarantees a pure surround sound experience. With up to 8 high-speed USB 2.0 ports, it is simple to connect to peripheral, communication and consumer electronic devices. In short, the Artemis CT1-A340 offers valuable capabilities crucial to any business, education or government entity: a practical, feature-packed system that delivers consistent performance, security and connectivity at an agreeable price.



# Model CT1-A340

# 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® Core 2™ Extreme Processor X6800 (Dual Core)  
2.93 GHz (1066 MHz FSB)  
Intel® Core 2™ Duo E6XXX (Dual Core)  
1.86 GHz to 2.66 GHz (1066 MHz FSB)  
Intel® Core 2™ Duo E4XXX (Dual Core)  
1.8 GHz to 2.2 GHz (800 MHz FSB)  
Intel® Celeron® D Processors 3xx  
2.53 GHz to 3.2 GHz (533 MHz FSB)  
Intel® Pentium® 4 Processors 5xx & 6xx  
2.80 GHz to 3.8 GHz (800 MHz FSB)  
Intel® Pentium® D Processors 8xx 9xx (Dual-Core)  
2.66 GHz to 3.6 GHz (800 MHz FSB)  
Intel® Pentium® Dual-Core E21XX  
1.6 GHz to 1.8 GHz (800 MHz FSB)

## Chipset

Intel® 945GC Chipset  
Intel® 82945GC Graphics Memory Accelerator (GMA) with Direct Media Interface (DMI) Interconnect  
Intel® 82801GB I/O Controller Hub (ICH7) with DMI Interconnect

## BIOS

4 Mbit Flash ROM  
AMI BIOS - DMI 2.0, WfM 2.0, Plug & Play,  
Award® JumperFree Trend® ChipAway Virus, SM BIOS 2.3  
Asus EZ Flash, ASUS CrashFree BIOS 2  
PC '01 Compliant

## System Memory

Four 240-pin DDR2 667 SDRAM Memory  
Unbuffered ECC and non-ECC DIMMs  
Dual Channel Memory Architecture  
256 MB, 512 MB, 1 GB and 2 GB  
Maximum Memory capacity of 4 GB

## System Management

Hardware, Voltage and Thermal Monitoring  
CPU Fan Control Through Asus Q-Fan  
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

## Integrated PCI IDE

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

## Integrated SATA/RAID

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

## Integrated Security & Encryption

Intel® Trusted Platform Module (TPM) v1.2 (Optional)  
Protects Encryption and Signature Keys and Supports Attestation  
Meets the Windows Vista BitLocker™ Drive Encryption Hardware Requirement

## 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 Audio

Integrated 6-Channel (5.1) High Definition Audio  
RealTek ALC662 Audio CODEC  
Front Panel Connectors: Line-out/Retasking 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 Super I/O

One VGA Port  
One PS/2 Keyboard Port and One PS/2 Mouse Port  
One ECP/EPP Parallel Port  
One COM Port (1 port at back panel and 1 port via internal header)  
Eight USB 2.0 ports (2 ports at the front, 4 ports at back panel and 2 ports via internal header)  
One RJ-45 Port

## Integrated Gigabit

PCIe Marvell Gigabit LAN Controller

## Expansion Slots

Three Low Profile PCI Slots  
One Low Profile PCI Express x16

## Bus Architecture

Two 32-bit PCI and One 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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SPEC-CT1A340-01-101607

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