

ARTEMIS



Artemis Slim Form Factor

Key Features

- Slim Form Factor Convertible Chassis
- Intel® 945GZ Chipset
- Intel® Core™2 Duo Processor E6xxx (Dual-Core)
- Intel® Core™2 Duo Processor E4xxx (Dual-Core)
- Intel® Pentium® Processor E2xxx (Dual-Core)
- 800 MHz FSB
- Dual Channel DDR2 SDRAM
- Intel® GMA 950 Graphics
- Integrated 6-Channel (5.1) High Definition Audio
- Integrated Gigabit Ethernet LAN
- Up to Eight USB 2.0 Ports
- Supports Windows Vista™
- 250W Power Supply
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

The Artemis CT1-A325 is a proven workhorse designed to deliver solid performance at an affordable price point. When powered by the most advanced Intel® Core® 2 Duo processor, multi-threaded applications and multitasking are a snap. With the onboard Intel® 950 Graphics Memory Accelerator, Artemis provides great performance for 3D graphics and other memory demanding applications. It also has the added benefit of reducing system complexity, power consumption, noise and support costs. Dual-channel DDR2 technology doubles the bandwidth of your system memory, boosting the system performance to outperform previous memory existing solutions. The Intel® Matrix Storage Technology also adds another layer of protection by preventing data loss and ensuring reliability. In addition it's slim, shapely form guarantees a smaller desktop footprint, which aids in reducing desktop clutter. With a maximum of eight high-speed USB 2.0 ports, Gemini easily handles peripheral, communication and consumer electronic devices. Simply stated, the Gemini Series Model CT1-A325 delivers consistent performance, speed and connectivity.



Model CT1-A325

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Processor

FC-LGA4 Package (LGA775 Socket)
Intel® Netburst™ Microarchitecture
533 Mhz or 800 Mhz Front Side Bus (FSB)
Intel® Core™ 2 Duo Processor E6xxx (Dual-Core)
1.86 GHz-2.66 GHz (*1066 Mhz FSB)
Intel® Core™ 2 Duo Processor E4xxx (Dual-Core)
1.8 GHz-2.0 GHz (800 Mhz FSB)
Intel® Pentium® D Processors 9XX (Dual-Core)
2.8 GHz-3.6 GHz (800 Mhz FSB)
Intel® Pentium® Processor E2xxx (Dual-Core)
1.6 GHz-2.0 GHz (800 Mhz FSB)
Intel® Celeron® Processor 3xx 4xx 1.6 GHz-3.6 GHz
(533 Mhz or 800 Mhz FSB)

*Note: Due to Chipset Limitation, 1066FSB Processors Can Only Run at a Maximum Speed of 800 Mhz FSB on this Motherboard.

Chipset

Intel® 945GZ Chipset
Intel® 82945 Graphics Memory Controller Hub (GMCH) with Direct Media Interface (DMI) Interconnect
Intel® 82801 I/O Controller Hub (ICH7) with DMI Interconnect
Intel® 82802AC Firmware Hub (FWH)
PCI 2.2 Compliant & Concurrent PCI for Real-Time I/O

BIOS

4 Mbit Flash EEPROM
AMI BIOS - DMI 2.0, WFM 2.0, Plug & Play, Multi-Lingual Support and Wake-On-LAN
Asus CrashFree BIOS
Supports ZIP Drives, Supports IDE CD-ROM or SCSI Bootup
Enhanced Advanced Configuration and Power Interface (ACPI) v1.0b
PC '01 Compliant

System Memory

Two 240-pin DRAM Dual Channel DIMM Sockets supporting Non-ECC
533 MHz or 400 MHz DDR2 SDRAM Memory
256 MB, 512 MB or 1GB DIMMs
Maximum Memory Capacity of 2 GB

System Management

Asus CPU Parameter Recall (C.P.R.)
Asus Q-Fan Technology
Fan Status/Temperature Monitoring and Alert
Auto Stop 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, Wake-on-Ring, Wake-from-USB, and Wake-from-PS/2
Devices Support
Suspend-to-Ram

Integrated PCI IDE

First Independent Channel via Intel® 82801G I/O Hub (ICH7)
Supports 2 IDE and EIDE Drives
Supports Bus Master Ultra DMA/33/66/100 (100 MB/sec maximum)

Integrated Serial ATA

4 Independent Channels
Supports 4 Serial ATA Drives
Supports 3 GB/sec Max (SATA-IO Specification)

Integrated Video

Intel® Graphics Media Accelerator (GMA) 950
Dynamic Video Memory Technology (DVMT) up to 224 MB

Integrated Audio

Integrated 6-Channel (5.1) High Definition Audio
RealTek ALC883 Audio CODEC w/ Universal Audio Architecture (UAA)
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 LAN

Marvell® Yukon 88E8001 PCI Gigabit Ethernet Controller

Integrated Super I/O

One PS/2 Keyboard Port and One PS/2 Mouse Port
One Serial Port (16550 Fast UART Compatible)
One ECP/EPP Parallel Port
Eight USB Ports
Two Rear Dual Stack, One Front Dual Stack and Two Via Internal Headers (optional)
One RJ-45 Port

Expansion Slots

Two PCI Conventional, One PCI Express x1, One PCI Express x16

Bus Architecture

32-bit PCI
PCI Express x1
PCI Express x16 (x4 electrical)

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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