

ARTEMIS



Key Features

- Slim Form Factor Convertible Chassis
- 250 Watt Power Supply
- Intel® Celeron® D Processor 3xx
- Intel® Pentium® 4 Processor 5xx
- Intel® Pentium® 4 Processor Extreme Edition
- Intel® Hyper-Threading Technology
- 533 MHz or 800 MHz Front Side Bus (FSB)
- Intel® 915G Chipset
- Maximum 4 GB DDR333/400 SDRAM
- Front Panel USB 2.0 Ports and Audio Connections
- Integrated High Definition 8-Channel Audio
- PCI Express x16
- Intel® PRO/100+ or Intel® Gigabit LAN
- Six Hi-Speed USB 2.0 ports
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

Artemis Slim Form Factor

The Artemis Series Model A233, in a Slim Form Factor Convertible design, delivers an extremely robust, reliable, and space conscience platform. Its Intel® 915G chipset utilizing dual channel DDR400 SDRAM, coupled with the latest Intel® Pentium® 4 5xx or Extreme Edition processors with Hyper-Threading Technology, heightens office productivity by delivering an unparalleled performance-to-cost capability. In addition to better and quieter system operation, up to four Serial ATA devices and PCI-express x1 are some of the leading edge technologies incorporated into the Artemis Series Model A233. Other hardware characteristics of its feature set include: up to six USB 2.0 ports, integrated High Definition 8-channel audio architecture, and unparalleled data throughput with up to 6.4 GB per second system bus transfer rate. Network connectivity is provided through Intel's Network Interface Subsystem featuring 10/100 Ethernet LAN or Gigabit LAN connectivity. High-end graphics capability is provided by either the integrated Intel® GMA 900 graphics controller or with the revolutionary PCI-express x16 graphics slot. These extraordinary features will assure the Artemis Series' place at the van of any future performance requirements.



Model CT1-A233

Artemis Slim Form Factor

Processor

FC-LGA4 (775-land) Package
533 MHz or 800 MHz Front Side Bus (FSB)
Intel® NetBurst® Microarchitecture
Intel® Hyper-Threading Technology
Intel® Celeron® D Processors 3xx (2.53 GHz to 3.06 GHz)
Intel® Pentium® 4 Processors 5xx (2.8 GHz to 3.8 GHz)
Intel® Pentium® 4 Processor Extreme Edition (3.4 GHz)

Chipset

Intel® 915G Chipset
Intel® 92915G Graphics and Memory Controller Hub (GMCH) with Accelerated Hub Architecture (AHA) Bus
Intel® 82801FB I/O Controller Hub (ICH6) with AHA Bus
Intel® 82802AB 4Mbit Firmware Hub (FWH)

BIOS

4 Mbit Flash EEPROM
AMI BIOS - DMI 2.0, WfM 2.0, Plug & Play, SMBIOS, and Wake-On-LAN
IDE Drive Auto-Configure and Intel® Rapid BIOS Boot
Supports ZIP Drives, IDE CD-ROM or SCSI Bootup
Enhanced Advanced Configuration and Power Interface (ACPI) v1.0b
PC '01 Compliant

Cache

Celeron® D Processor 3xx and Pentium® 4 Processor 5xx
12k µop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache
256 KB or 1 MB On-die, Full Speed Level 2 Cache (Advanced Transfer Cache)
Pentium® 4 Processor Extreme Edition
12k µop Level 1 Execution Trace Cache and 8 KB Level 1 Data Cache
512 KB On-die Full Speed Level 2 Cache (Advanced Transfer Cache)
2 MB Integrated Level 3 Cache

System Memory

Four 184-pin Dual Channel DIMM Sockets supporting non-ECC DDR333/400 SDRAM Memory
128 MB, 256 MB, 512 MB, and 1 GB DIMMs
Maximum Memory Capacity of 4 GB

System Management

Asus Q-Fan Cooling Technology
Asus PC Probe
CPU Fan Auto Stop Power Saving
CPU Auto Slow-Down Overheat Detection
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

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 (100 MB/sec maximum)
ATAPI CD-ROM Supported

Integrated Serial ATA

4 Independent Channels
Supports 4 SATA Devices
Supports First Party DMA (150 MB/sec maximum)

Integrated Video

Integrated Intel® GMA 900 Graphics Controller
Dynamic Video Memory Technology (DVMT) Supporting up to 224MB

Integrated Audio

Integrated High Definition Audio
RealTEK® ALC861 8-channel Audio CODEC
Intel® 82801FB I/O Controller Hub (ICH6)
Back Panel Connectors:
Line-in/Retasking Jack C, Line-out/Retasking Jack D, Microphone-in/Retasking Jack B
Front Panel Connectors:
Line-out/Retasking Jack F and Microphone-in/Retasking Jack E

Integrated LAN (Optional)

Intel® Network Interface Controller Subsystem
Intel® PRO/100+ utilizing Intel® 82562EZ PLC for Ethernet LAN Connectivity or
Intel® 82541PI Gigabit Ethernet Controller

Integrated Super I/O

One Floppy Port for One Drive (1.44 MB or 2.88 MB drive type)
One Serial Port (16550 Fast UART compatible)
One ECP/EPP Parallel Port
One VGA Port
One PS/2 Mouse Port, One PS/2 Keyboard Port
Six USB 2.0 Ports: Two Dual Stack Rear and One Dual Stack Front
One RJ-45 Port

Expansion Slots

Two PCI (low profile), One PCI-e x16 (low profile), One PCI-e x1 (low profile) Slots

Bus Architecture

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

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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