

ARTEMIS



Artemis Slim Form Factor

Key Features

- Small Form Factor Convertible Chassis
- Intel® 845GE Chipset
- Intel® Celeron® Processor - up to 2.8 GHz
- Intel® Pentium® 4 Processor - up to 3.06 GHz
- Intel® Pentium® 4 Processor w/ 1 MB Cache @ 2.8
- Intel® NetBurst™ Microarchitecture
- Intel® Hyper Threading Technology
- 400 MHz or 533 MHz Front Side Bus (FSB)
- Maximum 2 GB DDR266/333 SDRAM
- Front Panel USB 2.0 Ports and Audio Connections
- Integrated 10/100 Ethernet LAN Connectivity
- Integrated 6 Channel Audio
- 250 Watt Power Supply
- Six Hi-Speed USB 2.0 ports
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

The Artemis Series Model A202, in a Small Form Factor Convertible design, delivers an extremely robust, reliable, and cutting-edge platform. Its Intel® 845GE chipset utilizing DDR333 SDRAM, coupled with Intel's latest Celeron and Pentium® 4 400 MHz or 533 MHz front side bus processors with 512 KB cache, heightens office productivity by delivering an unparalleled performance-to-cost capability. The Artemis Series A202 incorporates active onboard processor and chassis fan monitoring making for real-time fan cooling and quieter system operation. Other hardware characteristics of its exceptional feature set include: up to six USB 2.0 ports, onboard integrated six channel high sound quality audio architecture with SPDIF out, and unparalleled data throughput system bus transfer rate. Network connectivity is provided through a 10/100 network interface subsystem featuring RealTEK's RTL8100 LAN controller. High-end graphics capability is provided by the integrated AGP 4X slot or for an economical graphics solution via the onboard Intel® Extreme Graphics 2. These extraordinary design building blocks provide for discerning and cost conscience customers an extraordinarily value-centric quality platform.



Model CT1-A202

Artemis Slim Form Factor

Processor

mPGA478-pin Package
400 MHz or 533 MHz Front Side Bus (FSB)
Intel® NetBurst™ Microarchitecture
Intel® Hyper-Threading Technology
Intel® Celeron® Processors 2.0 GHz to 2.8 GHz @ 400 MHz
Intel® Pentium® 4 Processors w/ 512 KB cache 2.4 GHz to 2.8 GHz @ 533 MHz FSB
Intel® Pentium® 4 Processors w/ 512 KB cache w/ HT 3.06 GHz @ 533 MHz FSB
Intel® Pentium® 4 Processors w/ 1 MB cache 2.8A GHz @ 533 MHz FSB

Chipset

Intel® 845GE Chipset
Intel® 82845GE Graphics and Memory Controller Hub (GMCH) with Accelerated Hub Architecture (AHA) Bus
Intel® 82801DB I/O Controller Hub (ICH4) with AHA Bus
Intel® 82802AB 4Mbit Firmware Hub (FWH)

BIOS

3 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

12k µop Level 1 Execution Trace Cache
8 KB Level 1 Data Cache
128 KB, 512 KB, or 1 MB On-Die, Full Speed Level 2 (Advanced Transfer Cache)

System Memory

Two 184-pin Dual Channel DIMM Sockets supporting non-ECC DDR266/333 SDRAM Memory
128 MB, 256 MB, 512 MB, and 1 GB DIMMs
Maximum Memory Capacity of 2 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

2 Independent Channels - PCI Bus Master IDE Ports
Supports 4 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 (33 MB/sec maximum)
Supports Bus Master Ultra DMA/66 (66 MB/sec maximum)
Supports Bus Master Ultra DMA/100 (100 MB/sec maximum)
ATAPI CD-ROM Supported

Integrated Video

Integrated Intel® Extreme Graphics Controller
Dynamic Video Memory Technology (DVMT) Supporting up to 64MB

Integrated Audio

6 Channel Audio Subsystem
Realtek ALC655 Audio CODEC
Intel® 82801DB I/O Controller Hub (ICH4)
Back Panel Connectors: Line-in, Line-out, SPDIF out, & Microphone-in
Front Panel Connectors: Line-out and Microphone-in

Integrated LAN (Optional)

RealTEK® RTL8100C(L) 10/100 Fast Ethernet Controller
PCI/Mini PCI Single-Chip Fast Ethernet Controller w/ Power Management

Integrated Super I/O

1 Floppy Port for One Drive (1.44 MB or 2.88 MB drive type)
1 Serial Port (16550 Fast UART compatible)
1 ECP/EPP Parallel Port
1 PS/2 Mouse Port, 1 PS/2 Keyboard Port
4 Back-panel USB 2.0 Ports: Two Dual Stack
2 Front-panel USB 2.0 Ports: One Dual Stack
1 RJ-45 Port (Optional)

Expansion Slots

Three PCI (low profile) and One AGP 4X (low profile) Slots

Bus Architecture

32-bit PCI and AGP 4X

Housing Configuration

Slim Form Factor Convertible Chassis

Dimensions (d) x (w) x (h) mm/inch

325 x 395 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	40/50 Hz
Input Currents	7 A / 3.5 A
Device Power Connectors	3 for 5.25", 2 Serial ATA, 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 55° C / 32° to 131° F
Storage Temperature: -40° to 70° C / -42° to 158° F
Relative Humidity: 92% RH @ 36° C / 97° F
Airflow Requirements: 100 LFM

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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NCS Technologies, Inc.

9490 Innovation Drive Voice: (703) 621-1700
Manassas, VA 20110 Toll-Free: 1 (888) RING-NCS
www.ncst.com Fax: (703) 621-1701

