

APOLLO



Apollo Series Workstation

Key Features

- Thermally Advantaged MicroTower & Desktop Chassis
- 270 Watt Power Supply
- nVidia C51PV Chipset
- AMD Athlon™ 64 Processor
- AMD Sempron™ Processor
- 800 MHz to 1000 MHz Hyper Transport Bus
- AMD® Cool 'n' Quiet Technology
- Maximum 4 GB DDR400 SDRAM
- Front Panel USB 2.0 Ports and Audio Connections
- Integrated Surround Sound 6-channel (5.1) Audio
- Integrated Gigabit Ethernet LAN Connectivity
- Four Hi-Speed USB 2.0 ports
- IDE/Serial ATA with support for RAID
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

The Apollo Series Model A263, in a Thermally Advantaged MicroTower and MicroDesktop design, delivers an extremely robust, reliable, and cutting-edge platform. Its nVidia single chip media and communications processor 51 chipset utilizing DDR400 SDRAM, and coupled with the latest AMD® Athlon™ 64 processors with AMD64 Technology, heightens office productivity by delivering an unparalleled 32-bit and 64-bit performance-to-cost computing capability. On board Q-Fan Cooling Technology and AMD's Cool 'n' Quiet Technology provide for real-time fan cooling and quieter system operation. Some of the leading edge technologies incorporated into the Apollo Series Model A263 includes four Serial ATA channels, a Firewire® port for unparalleled data throughput transfer rate, and up to four USB 2.0 ports. High-end immersing audio comes in the form of an integrated high definition 6-channel audio architecture with SPDIF out for pure surround sound multimedia experience. Network connectivity is provided through the Marvell Yukon integrated PCI Express Gigabit Ethernet LAN. High-end graphics capability is provided by its PCI Express x16 slot. These extraordinary features will assure the Apollo Series' place at the van of any future performance requirements.



Model CK2-A263 & CD4-A263

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Processor

AMD® Athlon™ 64 Processor 3000 to 4000
AMD® Athlon™ 64 FX Processor FX-53 to FX-55
AMD® Sempron™ 2200 to 3100
800 MHz to 1000 MHz Hyper-Transport Front Side Bus (FSB)
AMD 64 Architecture with Simultaneous 32-bit and 64-bit Computing
939-pin Socket Modules

Chipset

Single Chip 64-bit nVidia nForce™ 4 C51PV (Crushed K804u) Architecture
nVidia Media and Communications Processor (MCP) 51 Chipset
PCI 2.2 Compliant & Concurrent PCI for Real-Time I/O

BIOS

4 Mbit Flash EEPROM
Award® PCI BIOS - DMI 2.0, WfM 2.0, Plug & Play,
Award® JumperFree Trend® ChipAway Virus
Automatic hard disk detection
Build-in password protection
Supports ZIP Drives and IDE CD-ROM
Enhanced Advanced Configuration and Power Interface (ACPI) v1.0b
PC '01 Compliant

Cache

64KB 2-Way Associative ECC-Protected Level 1 Data Cache
64KB 2-Way Associative Parity-Protected Level 1 Instruction Cache
256 KB, 512 KB, or 1 MB 16-Way Associative ECC-Protected Level 2 Cache

System Memory

Four 184-pin ECC or non-ECC DDR400/333 SDRAM Memory
Dual Channel Memory Architecture
128 MB, 256 MB, 512 MB, and 1 GB DIMMs
Maximum Memory capacity of 4 GB

System Management

AMD Cool and Quiet™ Technology
Asus Q-Fan Cooling Technology
Auto throttling 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 and Wake-On-Ring support
Message LED to indicate receipt of data through modem

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 (33 MB/sec maximum)
Supports Bus Master Ultra DMA/66 (66 MB/sec maximum)
Supports Bus Master Ultra DMA/100 (100 MB/sec maximum)
Supports Bus Master Ultra DMA/133 (133 MB/sec maximum)
ATAPI CD-ROM Supported

Integrated Serial ATA/RAID

4 Independent Channels
Supports 4 SATA Devices
Supports First Party DMA (150 MB/sec maximum)
Supports RAID 0, RAID 1, RAID 0 + 1, and RAID 5

Integrated Firewire

One Rear IEEE 1394a Port

Integrated Video

Integrated nVidia GeForce 6600 Series Graphics Controller
Dynamic Video Memory Technology (DVMT) Supporting up to 128 MB

Integrated Audio

Analog Devices SoundMAX® AD1986 6-Channel (5.1) Audio CODEC
Front Panel Connectors: Line-out/Retasking Jack E 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 Gigabit

Marvell Yukon® EC PCI Express Gigabit Ethernet Controller

Integrated Super I/O

Floppy Controller for Mode 3 Support (up to 2.88 MB drive type)
One PS/2 Keyboard Port and One PS/2 Mouse Port
One Serial Port (16550 Fast UART compatible)
One ECP/EPP Parallel Port
Four USB 2.0 Ports: Two Back and Two Front Panel Connectors
One RJ-45 Port

Expansion Slots

Two PCI, One PCI Express x1 and One PCI Express x16

Bus Architecture

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

Housing Configuration

CK2-A263	Beige or Black Thermally Advantaged MicroTower Chassis
CD4-A263	Beige or Black Thermally Advantaged MicroDesktop Chassis

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

CK2-A263	35.18 x 17.98 x 36.50 / 13.85 x 7.08 x 14.37
CD4-A263	40.97 x 35.89 x 13.03 / 16.13 x 14.13 x 5.13

Drive Bays

5.25 inch External	2 (MicroTower)/ 2 (MicroDesktop)
3.5 inch External	2 (MicroTower)/ 1 (MicroDesktop)
3.5 inch Internal	1 (MicroTower)/2 (MicroDesktop)

Power Supply Features

Input Voltage	100-120 VAC/200-240 VAC
Input Frequency	50/60 Hz
Input Currents	1.5 A / 4 A
Device Power Connectors	3 for 5.25", 2 Serial ATA, and 1 for 3.5" Devices
Green PC	EEF Energy Efficient PC
Maximum Output	270 Watts
Form Factor	Intel® MicroATX
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

80 mm Cooling Fan 2

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