

APOLLO



Apollo Series Workstation

Key Features

- Thermally Advantaged MicroTower & Desktop Chassis
- 270 Watt Power Supply
- VIA K8M800 Chipset
- AMD® Athlon™ 64 Processor
- AMD® Sempron™ Processor
- 800 MHz Front Side Bus (FSB)
- AMD® Cool 'n' Quiet Technology
- Maximum 2 GB DDR400 SDRAM
- Front Panel USB 2.0 Ports and Audio Connections
- Integrated High Definition 6-channel audio
- Integrated 10/100 Ethernet LAN Connectivity
- Six 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 A255, in a Thermally Advantaged MicroTower and MicroDesktop design, delivers an extremely robust, reliable, and cutting-edge platform. Its VIA K8M800 chipset utilizing DDR400 SDRAM, coupled with the latest AMD® Athlon™ 64 or Sempron™ processors with AMD64 Technology, heightens office productivity by delivering an unparalleled 32-bit and 64-bit computing performance-to-cost 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 A255 includes two Serial ATA channels, up to two Firewire ports for unparalleled data throughput transfer rate, and up to six USB 2.0 ports. High-end audio by immersion comes in the form of the integrated high definition 6-channel audio architecture with SPDIF out for pure surround sound multimedia experience. Network connectivity is provided through RealTek's integrated 10/100 Fast Ethernet LAN. High-end graphics capability is provided by its AGP 8X slot. These extraordinary features will assure the Apollo Series' place at the van of any future performance requirements.



Model CK2-A255 & CD4-A255

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Processor

AMD® Athlon™ 64 Processor 2800 to 3700
AMD® Sempron™ 2200 to 3100
333 MHz or 800 MHz Hyper-Transport Front Side Bus (FSB)
AMD 64 Architecture with simultaneous 32-bit and 64-bit computing
754-pin Socket Modules

Chipset

VIA® K8M800 System Platform Processor (SPP) - North Bridge Chipset
VIA® VT8237 Media and Communications Processor (MCP-T/MCP)- South Bridge 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

Two 184-pin non-ECC DDR400/333/266 SDRAM Memory
Dual Channel Memory Architecture
128 MB, 256 MB, 512 MB, and 1 GB DIMMs
Maximum Memory capacity of 2 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
Chassis intrusion alarm and logging
Keyboard power-on
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

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

Integrated Serial ATA/RAID

2 Independent Channels
Supports 2 SATA Devices
Supports First Party DMA (150 MB/sec maximum)
Supports RAID 0, RAID 1, and JBOD

Integrated Audio

RealTEK® ALC650 6-Channel Audio CODEC
Back panel connectors: Line-in, SPDIF out, and Microphone-in
Front panel connectors: Line-out and Microphone-in

Integrated Firewire

Two IEEE 1394A Ports: One Rear and One Header

Integrated LAN

RealTEK RTL 8201BL/CL 10/100 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
Six USB 2.0 Ports
Four Back Panel: Two Dual Stack Connectors
Two Front Panel: One Dual Stack Connector
One RJ-45 Port

Expansion Slots

Three PCI and One AGP 8X Slots

Bus Architecture

32-bit PCI and AGP 8X

Housing Configuration

CK2-A255 Beige or Black Thermally Advantaged MicroTower Chassis
CD4-A255 Beige or Black Thermally Advantaged MicroDesktop Chassis

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

CK2-A255 35.18 x 17.98 x 36.50 / 13.85 x 7.08 x 14.37
CD4-A255 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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