

APOLLO



Key Features

- Thermally Advantaged MidTower Chassis
- 300, 350, or 460 Watt Power Supply
- nVidia nForce™ 4 SLI Architecture (Intel® Edition)
- Intel® Pentium® D Processor 8xx (Dual-Core)
- Intel® Pentium® Processor 8xx Extreme Edition
- 800 MHz or 1066 MHz Front Side Bus
- Maximum 4 GB 667MHz DDR2 SDRAM
- Dual PCI Express x16 SLI
- Integrated 8-Channel (7.1) High Definition Audio
- Dual Gigabit LAN Connectivity
- Dual 1394 Ports
- Parallel ATA, Serial ATA 3Gb/s, External Serial ATA, and Serial ATA II
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

Apollo Series Workstation

By reducing overall latency yet significantly increasing throughput, the Apollo Series Model CM3-A268 revolutionizes 64-bit computing with its nVidia nForce™ 4 SLI (Intel® Edition) chipset architecture. With the latest dual-core Intel® Pentium® 8xx Extreme Edition processors and DDR2 memory utilization, this Apollo dominates office productivity, or extreme gameplay, by furnishing an unparalleled performance headroom capability. The Apollo's two PCI Express x16 SLI video function nearly doubles video throughput, compared to previous generation graphics. Increased data traffic throughput is also emblematic of the Apollo's storage capacity, having resident Parallel ATA, Serial ATA 3GB/s, Serial ATA II, and eSerial ATA standards. Two onboard Gigabit controllers virtually guarantees the highest connectivity across one or two networks. Peripheral, communication, and consumer electronic devices are easily attached via the Apollo's high speed USB or Firewire® ports. Just these unique features alone make the Apollo Series a computing juggernaut second to none.



Model CM3-A268

Apollo Series Workstation

Processor

FC-LGA4 Package (775-land Package)
Intel® NetBurst™ Microarchitecture
800 MHz or 1066 MHz Front Side Bus (FSB)
Intel® Pentium® 4 Processors 5xx & 6xx
3.0 GHz to 3.8 GHz (800 MHz FSB)
Intel® Pentium® D Processors (Dual-Core)
2.8 GHz to 3.2 GHz (800 MHz FSB)
Intel® Pentium® D Processors 8xx Extreme Edition (Dual-Core)
3.2 GHz (800 MHz FSB)

Chipset

nVidia nForce™ 4 SLI (Crush 19) Architecture (Intel® Edition)
nVidia nForce™ 4 Ultra Media Communications Processor (MCP) 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

Intel® Pentium® 4 Processor 5xx & 6xx
12k µop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache
1 MB or 2 MB On-die, Full Speed Level 2 Cache (Advanced Transfer Cache)
Intel® Pentium® D Processor 8xx (Dual-Core)
2 x (12k µop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache)
2 x (1 MB On-die, Full Speed Level 2 Cache)
Intel® Pentium® Processor 8xx Extreme Edition (Dual-Core)
2 x (12k µop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache)
2 x (1 MB On-die, Full Speed Level 2 Cache)

System Memory

Four 240-pin Dual Channel DIMM Sockets supporting Non-ECC 667 MHz, 533 MHz,
or 400 MHz DDR2 SDRAM Memory
256 MB, 512 MB and 1 GB DIMMs
Maximum Memory Capacity of 4 GB

System Management

AI NOS™ (Non-delay Overclocking System)
Asus C.P.U. (CPU Parameter Recall)
Asus Q-Fan2 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/Serial ATA

Silicon Image 3132 SATALink™ PCI Express to 2-Port Serial ATA II Host Controller
Supports Serial ATA II: 3Gb/s, Native Command Queuing, First Party DMA, Port
Multipliers w/ FIS-based Switching, Hot Plug, &c.
Supports External Serial ATA Connectivity
Supports 2 Serial ATA II Drives
nVidia nForce™ 4 MCP Dual Storage Controller Architecture
Fast Ultra ATA-133 Disk Drive Controller
Supports 2 IDE and EIDE Drives
Supports Bus Master Ultra DMA/33/66/100/133 (133 MB/sec maximum)
Serial ATA 3 Gb/s (SATA-IO Specification)
Supports First Party DMA
Supports 4 Serial ATA Drives

Integrated RAID

nVidia MediaShield™ Storage
Cross Controller RAID Supporting SATA and PATA in Single Array
Supports RAID 0, RAID 1, RAID 0+1, RAID 5, & JBOD
Sil 3132 Controller
Supports Sil SATAraid™ RAID Management w/ Software RAID 0 & RAID 1
Supports SATA Port Multiplier w/ Software RAID 0, RAID 1, RAID 10, & RAID 5

Integrated Audio

Integrated 8-Channel (7.1) High Definition Audio
RealTEK ALC850 Audio CODEC w/ Universal Audio Architecture (UAA)
Front Panel Connectors: Line Out/Retasking Jack, and Microphone In/Retasking Jack
Back Panel Connectors: Line In/Side Surround Left and Right/Retasking Jack, Surround
Left and Right/Retasking, Center Channel and LFE (Subwoofer)/Retasking Jack, Line Out/
Retasking Jack, Microphone In/Retasking Jack, and S/PDIF Digital/Coaxial Audio Out

Integrated LAN

Dual Integrated Gigabit Ethernet Subsystem
Intel® Gigabit Ethernet Controller
nVidia nForce™ 4 Gigabit MAC with External Marvell PHY
Supports nVidia ActiveArmor™ Secure Networking Engine
Supports nVidia ActiveArmor™ Firewall Technology

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 ECP/EPP Parallel Port
Four USB 2.0 Ports
One RJ-45 Port
Two IEEE 1394 Ports

Expansion Slots

Three 32-bit PCI and Two PCI-Express x1
Two PCI Express x16 (x8, x8 SLI Mode)

Bus Architecture

PCI, PCI Express x16, and PCI Express x1

Housing Configuration

Beige Thermally Advantaged MidTower Chassis with CAG 1.1
Black Thermally Advantaged MidTower Chassis with CAG 1.1

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

428 x 181 x 431 / 16.85 x 7.13 x 17

Drive Bays

5.25 inch External = 3
3.5 inch External = 1
3.5 inch Internal (Standard/optional) = 2/0

Power Supply Features

Input Voltage	100-120 VAC/200-240 VAC
Input Frequency	50/60 Hz
Input Currents	10.0/7A
Device Power Connectors	9 for 5.25" and 1 for 3.5" Devices
Green PC	EEF Energy Efficient PC
Maximum Output	460 Watts
Form Factor	ATX
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 60950, 3rd Edition
EPA: Energy Star Compliant

Options

80 mm Cooling Fan 2

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