

APOLLO



Key Features

- Thermally Advantaged Micro Tower & Desktop Chassis
- 250 Watt Power Supply
- Intel® 945G Chipset
- Intel® Celeron® D Processor 3xx
- Intel® Pentium® D Processor 8xx (Dual-Core)
- 533 MHz, 800 MHz, or 1066 MHz FSB
- Dual Channel DDR2 SDRAM
- Enhanced Intel® Speedstep® Technology
- Intel® Hyper-Threading Technology
- Intel® Enhanced Memory 64 Technology (EM64T)
- Intel® PRO 1000 Gigabit Ethernet
- Intel® GMA 950 Graphics and PCI Express x16
- Integrated 8-Channel (7.1) High Definition Audio
- Eight Hi-Speed USB 2.0 Ports
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

Apollo Series Workstation

The Apollo Series Model A269 is an artful combination leading-edge media technologies and high performance bandwidth capabilities. Its superior computing power is provided by Intel's Pentium® D Processor 8xx (Dual-Core), having two physical processors on the same silicon, each with separate on-die cache. In addition to raw power, the Apollo runs cooler and quieter, thanks in part to better processor specific thermal and power enhancements. Higher data throughput is provided by the Apollo's dual channel 667 MHz DDR2 SDRAM utilization. For digital media storage capacity, the Apollo incorporates two independent Parallel ATA channels, each supporting two drives, and four Serial ATA channels, each supporting next generational drives with 3 GB/sec transfer rates. Superb video technologies such as the Intel® GMA 950 Graphics or PCI Express x16 architecture for high-end video accelerators lends to any qualitative viewing or multimedia demand load. Pure high definition surround sound comes standard on the Apollo, which is capable of 8-channel audio output through its retasking jacks or digital S/PDIF connector. No matter what the driven creative or digital content, the Apollo Series maximizes multimedia performance.



Model CK2-A269 & CD4-A269

Apollo Series Workstation

Processor

FC-LGA4 Package (775-land Package)
Intel® NetBurst™ Microarchitecture
533 MHz, 800 MHz, or 1066 MHz Front Side Bus (FSB)
Intel® Celeron® D Processors 3xx
2.53 GHz to 3.2 GHz (533 MHz FSB)
Intel® Pentium® 4 Processors 5xx & 6xx
3.0 GHz to 3.8 GHz (800 MHz FSB)
Intel® Pentium® D Processors 8xx (Dual-Core)
2.8 GHz to 3.2 GHz (800 MHz FSB)

Chipset

Intel® 945G Chipset
Intel® 82945G Graphics Memory Controller Hub (GMCH) with Direct Media Interface (DMI) Interconnect
Intel® 82801G I/O Controller Hub (ICH7) with DMI Interconnect
Intel® 82802AC Firmware Hub (FWH)
PCI 2.2 Compliant & Concurrent PCI for Real-Time I/O

BIOS

4 Mbit Flash EEPROM
AMI BIOS - DMI 2.0, WfM 2.0, Plug & Play, SMBIOS, Multi-Lingual support, and Wake-On-LAN
Asus CrashFree BIOS
Supports ZIP Drives, Supports IDE CD-ROM or SCSI Bootup
Enhanced Advanced Configuration and Power Interface (ACPI) v1.0b
PC '01 Compliant

Cache

Intel® Celeron® D Processor 3xx
12k µop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache
256 KB On-die, Full Speed Level 2 Cache (Advanced Transfer 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)

System Memory

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

System Management

Asus CPU Parameter Recall (C.P.R.)
Asus Q-Fan 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

First Independent Channel via Intel® 82801G I/O Hub (ICH7)
Supports 2 IDE and EIDE Drives
Supports Bus Master Ultra DMA/33/66/100 (100 MB/sec maximum)
Second Independent Channel via ITE 8211F ATA Controller
Supports 2 IDE and EIDE Drives
Supports Bus Master Ultra DMA/66/100/133 (133 MB/sec maximum)

Integrated Serial ATA

4 Independent Channels
Supports 4 Serial ATA Devices
Supports 3 GB/sec maximum (SATA-IO Specification)

Integrated Video

Intel® Graphics Media Accelerator (GMA) 950
Dynamic Video Memory Technology (DVMT) up to 224 MB

Integrated LAN

Integrated Gigabit Ethernet Subsystem
Intel® 82573V Gigabit Ethernet Controller

Integrated Audio

Integrated 8-Channel (7.1) High Definition Audio
RealTEK ALC822 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 Audio Out

Integrated Super I/O

Floppy Controller for Mode 3 Support (up to 2.88 MB drive type)
1 PS/2 Keyboard and 1 PS/2 Mouse Port
One Serial Port (16550 Fast UART Compatible)
One ECP/EPP Parallel Port
Eight USB 2.0 Ports
Two Rear Dual Stack, One Front Dual Stack, and One Rear Panel Card (Optional)
One RJ-45 Port with Two Integrated LEDs

Expansion Slots

Two PCI Conventional
One PCI Express x1 and One PCI Express x16

Bus Architecture

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

Housing Configuration

CK2-A269 Beige or Black Thermally Advantaged MicroTower Chassis
CD4-A269 Beige or Black Thermally Advantaged MicroDesktop Chassis

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

CK2-A269 35.18 x 17.98 x 36.50 / 13.85 x 7.08 x 14.37
CD4-A269 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 100-240 VAC
Input Frequency 50/60 Hz
Input Currents 3.0 A / 6.0 A
Device Power Connectors 4 for 5.25" and 1 for 3.5" Devices
Green PC EEF Energy Efficient PC
Maximum Output 250 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
Airflow Requirements: 100 LFM

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

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

