

APOLLO



Key Features

- Thermally Advantaged Micro Tower
- Intel® 945GZ Chipset
- Intel® Core™ 2 Duo Processor E4xxx (Dual-Core)
- Intel® Pentium® Processor E2xxx (Dual-Core)
- Intel® Pentium® D Processor 9xx (Dual-Core)
- Intel® Celeron® D Processor 3xx 4xx
- 533 MHz or 800 MHz FSB
- Dual Channel DDR2 SDRAM
- Intel® GMA 950 Graphics
- Integrated 6-Channel (5.1) High Definition Audio
- Integrated Gigabit Ethernet LAN
- Eight USB 2.0 Ports
- PCI Express x16 Slot
- 270 Watt Power Supply
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

Apollo Series Workstation

The Apollo Series Model A325 is an artful combination leading-edge media technologies and energy efficient capabilities in an economical platform. Its superior computing power is provided by Intel's Core™ 2 Duo Processor (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 DDR2 SDRAM utilization. For digital media throughput, the Apollo incorporates four independent Serial ATA channels, each supporting next generational drives with 3 GB/sec transfer rates. Superb choices in 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. High-end immersion audio comes in the form of an integrated high definition 6-channel audio architecture with SPDIF out for pure surround sound experience. An onboard Gigabit network connectivity comes standard. No matter what the productive or digital content, the Apollo Series assuredly maximizes performance.



Model CK2-A325

Apollo Series Workstation

Processor

FC-LGA4 Package (775-land Package)
Intel® NetBurst™ Microarchitecture
533 MHz or 800 MHz Front Side Bus (FSB)
Intel® Core™ 2 Duo Processor E4xxx (Dual-Core)
1.8 GHz to 2.0 GHz (800 MHz FSB)
Intel® Pentium® D Processors 9xx (Dual-Core)
2.8 GHz to 3.6 GHz (800 MHz FSB)
Intel® Pentium® Processor E2xxx (Dual-Core)
1.6 GHz to 1.8 GHz (800 MHz FSB)
Intel® Celeron® D Processors 3xx 4xx
1.6 GHz to 3.6 GHz (533 MHz or 800 MHz FSB)

Chipset

Intel® 945GZ Chipset
Intel® 82945 Graphics Memory Controller Hub (GMCH) with Direct Media Interface (DMI) Interconnect
Intel® 82801 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® Core™ 2 Duo Processor
2 x 32 KB Instruction and 2 x 32 KB Write-back Data L1 Cache
2 MB On-die Full Speed L2 Cache (Shared) (Advanced Smart Cache)
Intel® Pentium® D Processor 9xx (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 E2xxx (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® Celeron® D Processor 3xx 4xx
12k µop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache
256 KB or 512 KB On-die, Full Speed Level 2 Cache (Advanced Transfer Cache)

System Memory

Two 240-pin Dual Channel DIMM Sockets supporting Non-ECC 533 MHz or 400 MHz
DDR2 SDRAM Memory
256 MB, 512 MB, or 1 GB DIMMs
Maximum Memory Capacity of 2 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)

Integrated Serial ATA

4 Independent Channels
Supports 4 Serial ATA Devices
Supports 3 GB/sec Max (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
Marvell® Yukon 88E8001 PCI Gigabit Ethernet Controller
One RJ-45 Port with Integrated LEDs

Integrated Audio

Integrated 6-Channel (5.1) High Definition Audio
RealTEK ALC883 Audio CODEC w/ Universal Audio Architecture (UAA)
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 Super I/O

Floppy Controller for Mode 3 Support (up to 1.44 MB drive type)
One PS/2 Keyboard Port
One 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 Two (Optional) via Internal Headers

Expansion Slots

Two PCI Conventional
One PCI Express x1
One PCI Express x16

Bus Architecture

32-bit PCI
PCI Express x1
PCI Express x16 (x4 Electrical)

Housing Configuration

Black Thermally Advantaged MicroTower Chassis

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

35.18 x 17.98 x 36.50 / 13.85 x 7.08 x 14.37

Drive Bays

5.25 inch External	2
3.5 inch External	2
3.5 inch Internal	1

Power Supply Features

Input Voltage	100-240 VAC
Input Frequency	50/60 Hz
Input Currents	3.0 A / 8.0 A
Device Power Connectors	4 for 5.25" 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
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
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