

APOLLO



Key Features

- Thermally Advantaged Micro Tower
- Intel® 945G Chipset
- Intel® Core™ 2 Duo Processor E6XXX, E4XXX
- Intel® Celeron® D Processor 3xx
- Intel® Pentium® D Processor 8xx 9xx (Dual-Core)
- 533 MHz, 800 MHz or 1066 MHz Front Side Bus
- Intel® GMA 950 Graphics and PCI Express x16
- Integrated 6-Channel (5.1) High Definition Audio
- Dual Channel DDR2 SDRAM
- Supports Up to 8 USB Ports
- 250W Power Supply
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

Apollo Series Workstation

The Apollo CK2-A320 provides outstanding performance for departmental or enterprise desktop computing environments without the premium price. When powered by the most advanced Intel® Core® 2 Duo processor, multi-threaded applications and multitasking are a snap. With Intel® 950 Graphics Memory Accelerator, Apollo also provides great performance for 3D graphics and other memory demanding applications. Dual-channel DDR technology doubles the bandwidth of your system memory, boosting the system performance to outperform any memory existing solutions in the market. The Apollo's integrated Intel® High Definition 6-channel audio architecture guarantees a pure surround sound experience. In addition, Intel® Matrix Storage Technology adds another layer of protection by preventing data loss and ensuring reliability. In short, Apollo offers valuable capabilities crucial to businesses, education and government entities: a feature-packed system delivering consistent performance, security and connectivity while remaining a commercially sound business infrastructure solution.



Model CK2-A320

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® Core 2™ Extreme Processor X6800 (Dual Core)
1.8 GHz to 2.0 GHz (1066 MHz FSB)
Intel® Core 2™ Duo E6XXX (Dual Core)
1.8 GHz to 2.0 GHz (1066 MHz FSB)
Intel® Core 2™ Duo E4XXX (Dual Core)
1.8 GHz to 2.0 GHz (800 MHz 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 9xx (Dual-Core)
2.8 GHz to 3.6 GHz (800 MHz FSB)

Chipset

Intel® 945G Chipset
Intel® 82950G Graphics Memory Accelerator (GMA) with Direct Media Interface (DMI) Interconnect
Intel® 82801GB I/O Controller Hub (ICH7) with DMI Interconnect

BIOS

4 Mbit Flash ROM
AMI BIOS - DMI 2.0, WfM 2.0, Plug & Play,
Award® JumperFree Trend® ChipAway Virus, SM BIOS 2.3
Asus EZ Flash, ASUS CrashFree BIOS 2
PC '01 Compliant

System Memory

Two 240-pin DDR2 667/533/400 SDRAM Memory
Unbuffered ECC and non-ECC DIMMs
Dual Channel Memory Architecture
128 MB, 256 MB, 512 MB, 1 GB, and 2 GB DIMMs
Maximum Memory capacity of 4 GB

System Management

Hardware, Voltage and Thermal Monitoring
CPU Fan Control Through Asus Q-Fan
Enhanced Advanced Configuration and Power Interface (ACPI) v1.0b
LAN Wake, Resume-on-Ring, Wake-from-USB, and Wake-from-PS/2 Devices Support
Instantly Available PC Technology
Alert Standard Format (ASF) v2.0

Integrated PCI IDE

First Independent Channel via Intel® 82801G I/O Hub (ICH7)
Supports Two IDE or EIDE Drives
Supports Bus Master Ultra DMA/33/66/100 (100 MB/sec maximum)

Integrated SATA/RAID

4 Independent Channels
Supports 4 Serial ATA Devices
Supports 3 GB/sec maximum (SATA-IO Specification)
Intel® Matrix Storage Technology via Intel® 82801GR I/O Controller Hub (ICH7-R)
Supports RAID 0, RAID 1, RAID 5, RAID 0 +1 or RAID 10

Integrated Video

Intel® Graphics Media Accelerator (GMA) 950
Dynamic Video Memory Technology (DVM) up to 224 MB
Supports Intel® Advanced Digital Display (ADD2/ADD2+) Cards

Integrated Audio

Integrated 6-Channel ADI® High Definition Audio Subsystem
Intel® 82801 GB I/O Controller Hub (ICH7)
ADI® ADI1986A Audio Codec Integrated Speakers
Supports Jack-Sensing, Enumeration Technology

Integrated Gigabit

Attansic® L1 Gigabit LAN Controller

Integrated Super I/O

One VGA Port
One PS/2 Keyboard Port and One PS/2 Mouse Port
One ECP/EPP Parallel Port
Four USB 2.0 Ports and 2 Additional Optional USB 2.0 Ports (Rear)
2 USB 2.0 Ports (Front)
One RJ-45 Port
One Serial Port

Expansion Slots

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

Bus Architecture

PCI, PCI Express x16, and PCI Express x1

Housing Configuration

Beige or Black Thermally Advantaged MicroTower Chassis (CAG 1.1)

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