

# GEMINI



## Key Features

- Thermally Advantaged Mini-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
- 350W 80 PLUS High-Efficiency Power Supply
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

## Gemini Series Workstation

The Gemini CK3-A320 combines a sleekly redesigned chassis with incomparably efficient performance for departmental or enterprise desktop computing environments at an economical price point. 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, Gemini 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 Gemini'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, the Gemini CK3-A320 offers valuable capabilities essential to any business, education or government entity: a prudently cost-effective system that is feature-packed and delivers consistent performance, security and connectivity.



# Model CK3-A320

# Gemini 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

Thermally Advantaged Mini-Tower Chassis w/ CAG 1.1

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

375 x 198 x 370 / 14.7 x 7.8 x 14.8 / 9.5 kg/21 lbs

## Drive Bays

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

## Power Supply Features

Input Voltage	100-240 VAC
Input Frequency	50/60 Hz
Input Currents	5 A
Device Power Connectors	4 for 5.25", 2 Serial ATA, and 1 for 3.5" Devices
Maximum Output	350 Watts
Form Factor	ATX12V v2.2
Power Factor Correction	Active PFC
Efficiency	> 80% at Normal Input Voltage
Internal Fan	12 cm

## 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

## Fans

One 120 mm Rear Cooling Fan  
One 92 mm Front Cooling Fan (Optional)

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