

# GEMINI



## Key Features

- Thermally Advantaged Mini-Tower
- Intel® 945GC Chipset
- Intel® Core™ 2 Duo Processor E6XXX, E4XXX
- Intel® Pentium® Dual-Core E2xxx
- Intel® Pentium® D Processor 8xx 9xx (Dual-Core)
- Supports Windows Vista™
- 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
- Up to 8 USB 2.0 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-A340 delivers a superlatively designed yet practical desktop, all at an attractively economical price point. When powered by the most advanced Intel® Core® 2 Duo processor, multi-threaded applications and multitasking are a snap. With the Intel® 950 Graphics Memory Accelerator, Gemini provides excellent graphics with no additional card required. This brilliantly superb optimization of system resources helps to reduce system complexity, power consumption, noise, and support costs. In addition, Gemini's integrated Intel® High Definition 6-channel audio architecture guarantees a pure surround sound experience. Dual-channel DDR2 technology doubles the bandwidth of your system memory, boosting the system performance to significantly increase user productivity. With up to 8 high-speed USB 2.0 ports, Gemini makes it simple to connect to peripheral, communication and consumer electronic devices. In short, the Gemini CK3-A340 offers valuable capabilities crucial to any business, education or government entity: an expeditious, feature-packed system that delivers consistent performance, security and connectivity.



# Model CK3-A340

# 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)  
2.93 GHz (1066 MHz FSB)  
Intel® Core 2™ Duo E6XXX (Dual Core)  
1.86 GHz to 2.66 GHz (1066 MHz FSB)  
Intel® Core 2™ Duo E4XXX (Dual Core)  
1.8 GHz to 2.2 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  
2.80 GHz to 3.8 GHz (800 MHz FSB)  
Intel® Pentium® D Processors 8xx 9xx (Dual-Core)  
2.66 GHz to 3.6 GHz (800 MHz FSB)  
Intel® Pentium® Dual-Core E21XX  
1.6 GHz to 1.8 GHz (800 MHz FSB)

## Chipset

Intel® 945GC Chipset  
Intel® 82945GC 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

Four 240-pin DDR2 667 SDRAM Memory  
Unbuffered ECC and non-ECC DIMMs  
Dual Channel Memory Architecture  
256 MB, 512 MB, 1 GB and 2 GB  
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® 82801GB 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® 82801GB I/O Controller Hub (ICH7-R)  
Supports RAID 0, RAID 1, RAID 5, RAID 0 +1 or RAID 10

## Integrated Security & Encryption

Intel® Trusted Platform Module (TPM) v1.2 (Optional)  
Protects Encryption and Signature Keys and Supports Attestation  
Meets the Windows Vista BitLocker™ Drive Encryption Hardware Requirement

## Integrated Video

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

## Integrated Audio

Integrated 6-Channel (5.1) High Definition Audio  
RealTek ALC662 Audio CODEC  
Front Panel Connectors: Line-out/Retasking 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

One VGA Port  
One PS/2 Keyboard Port and One PS/2 Mouse Port  
One ECP/EPP Parallel Port  
One COM Port (1 port at back panel and 1 port via internal header)  
Eight USB 2.0 ports (2 ports at the front, 4 ports at back panel and 2 ports via internal header)  
One RJ-45 Port

## Integrated Gigabit

PCIe Marvell Gigabit LAN Controller

## Expansion Slots

Three 32-bit PCI and One PCI-Express x16

## Bus Architecture

PCI and PCI Express x16

## 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)

SPEC-CK3A340-01-101607

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