

# GEMINI



## Key Features

- NVIDIA® 750i SLI Chipset
- Intel® Core 2™ Quad Processor Q9XXX (Dual Core)
- Intel® Core 2™ Duo Processor E6XXX, E4XXX
- Intel® Pentium® Dual-Core E21XX
- 800 MHz, 1066 MHz or 1333 MHz Front Side Bus
- Integrated 8-Channel (7.1) High Definition Audio
- Supports Windows Vista™
- Dual Channel DDR2 SDRAM
- Supports Up to 8 USB Ports
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC'01 Compliant
- 350 Watt 80-Plus Power Supply

## Gemini Series Workstation

The all new Gemini CM4-A347 is a powerful desktop that pairs exceptional performance with impressive engineering. Based on the NVIDIA® 750i SLI Chipset and when coupled with the latest Intel Core 2™ processor, Gemini easily tackles processor-intensive tasks in demanding multitasking environments. This configuration also features the Intel® Advanced Digital Media Boost, which accelerates a broad range of applications, including video, speech and image, photo processing, encryption, financial, engineering and scientific applications. In addition, Gemini supports two identical NVIDIA® SLI-Ready graphics cards for extreme graphics performance. With up to 8 high-speed USB 2.0 ports it is simple to connect to peripheral, communication and consumer electronic devices. Gemini also offers an array of expansion capabilities which gives you the flexibility to build a computing solution relevant to your business requirements. In short, the Gemini CM4-A347 can take your business to the next level by boosting office productivity with its incomparable performance and reliability.



# Model CM4-A347

# Gemini Series Workstation

## Processor

FC-LGA4 Package (775-land Package)  
Intel® NetBurst™ Microarchitecture  
800 MHz, 1066 MHz or 1333 MHz Front Side Bus (FSB)  
Intel® Core 2™ Quad Processor Q9XXX (Dual Core)  
2.66 GHz to 2.83 GHz (1333 MHz FSB)  
Intel® Core 2™ Quad Processor Q6XXX (Dual Core)  
2.13 GHz to 2.66 GHz (1066 MHz FSB)  
Intel® Core 2™ Extreme Processor X6800 (Dual Core)  
1.86 GHz to 2.66 GHz (1066 MHz FSB)  
Intel® Core 2™ Extreme Processor X6800 (Dual Core)  
2.93 GHz (1066 MHz 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® Pentium® Dual-Core E21XX  
1.6 GHz to 1.8 GHz (800 MHz FSB)  
Intel® Pentium® D Processors 8xx 9xx (Dual-Core)  
2.66 GHz to 3.6 GHz (800 MHz FSB)

## Chipset

NVIDIA® 750i SLI Chipset

## BIOS

8 Mbit Flash ROM  
AMI BIOS - DMI 2.0, WfM 2.0, Plug & Play,  
Award® JumperFree Trend® ChipAway Virus, SM BIOS 2.4, ACPI 2.0a  
Asus EZ Flash, ASUS CrashFree BIOS 2  
PC '01 Compliant

## System Memory

Four 240-pin Dual Channel DIMM Sockets supporting Non-ECC 800 MHz, 667 MHz  
or 533 MHz DDR2 SDRAM Memory  
256 MB, 512 MB, 1 GB, or 2 GB DIMMs  
Maximum Memory Capacity of 8 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 NVIDIA® Southbridge  
One UltraDMA 133/100/66 for up to 2 PATA devices

## Integrated SATA/RAID

4 Independent Channels  
Supports 4 Serial ATA Devices  
Supports 3 GB/sec maximum (SATA-IO Specification)  
NVIDIA MediaShield™ RAID  
Supports RAID 0,1,0+1,5,JBOD Span Cross Serial ATA drives

## Integrated Audio

Integrated 8 (7.1)-Channel High Definition Audio  
RealTek ALC883 Audio CODEC  
Front Panel Connectors: Headphone & Microphone In  
Back Panel Connectors: Line-in, Line-out and Microphone-in  
and Flexible 8-Channel Audio With Jack Sensing

## Scalable Link Interface

Supports Two Identical NVIDIA SLI-Ready Graphics Cards (Hardware ready for x16, x16)

## Integrated Super I/O

One PS/2 Keyboard Port  
One PS/2 Mouse Port  
One SPP/ECP/EPP Parallel Port  
One IEEE 1394a Port  
Eight USB 2.0 Ports (two in the front, four in the back and two via internal header)  
One RJ-45 Port  
One SPDIF Out (via internal header)

## Integrated Gigabit

NVIDIA nForce® 750i SLI built-in Gigabit (10/100/1000 Mb/sec) MAC with External PHY

## Expansion Slots

Two PCI Express X16 Slots  
One PCI Express X1 Slot  
Two 32-bit PCI Bus Slots

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

465 x 198 x 425 / 18.3 x 7.8 x 16.7

## Drive Bays

5.25 inch External	4
3.5 inch External	1
3.5 inch Internal	4

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

SPEC-CM4A347-01-031108

NCS Technologies, Inc.

7669 Limestone Drive

Gainesville, VA 20155

www.ncst.com

Voice: (703) 743-8515

Toll-Free: 1 (888) RING-NCs

Fax: (703) 621-1701

