

GEMINI



Key Features

- Intel® X38 Chipset
- Intel® Core 2™ Quad Processor QX9XXX, Q9XXX
- Intel® Core™ 2 Duo Processor E8XXX, E6XXX, E4XXX
- Intel® Pentium® Dual-Core Processor E21XX
- 800 MHz, 1066 MHz or 1333 MHz Front Side Bus
- ATI® CrossFire® Multi-GPU SLI
- 8-Channel (7.1) Channel Dolby Theater Audio
- Supports Windows Vista™
- Dual Channel DDR3 SDRAM
- Supports Up to 12 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 Gemini CM4-I349 is an epic powerhouse with plenty of muscle to deliver the amazing performance needed to make the most of today's high-end business applications. Powered by the Intel® X38 Chipset, Gemini supports the new dual-channel DDR3 memory technology and the next generation dual x16 PCI Express 2.0 for faster system responsiveness and support of 64-bit computing. Gemini also utilizes the ATI® CrossFire® Multi-GPU SLI, allowing the support of two ATI® graphics cards to work together for ultimate 3D gaming performance and visual quality. In addition, Gemini's integrated 8-channel Dolby® Home Theater Audio Subsystem ensures premium digital sound. Twelve high-speed USB 2.0 ports make it simple to connect to peripheral, communication and consumer electronic devices. With a range of available CPU options and expansion capabilities, Gemini gives you the flexibility to build a computing solution relevant to your business requirements. Whether you are encoding, rendering, editing, streaming or even gaming, the Gemini CM4-I349 sets the standard as the flagship desktop that easily tackles whatever comes its way.



Model CM4-I349

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™ Extreme Quad Processor QX9XXX
3.0 GHz (1333 MHz FSB)
Intel® Core 2™ Extreme Quad Processor QX6XXX
2.66 GHz to 3.0 GHz (1066 MHz FSB and 1333 MHz FSB)
Intel® Core 2™ Quad Processor Q9XXX
2.5 GHz to 2.83 GHz (1333 MHz FSB)
Intel® Core 2™ Quad Processor Q6XXX
2.4 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™ Duo E8XXX (Dual Core)
2.66 GHz to 3.16 GHz (1333 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 E22XX
2.2 GHz to 2.4 GHz (800 MHz FSB)
Intel® Pentium® Dual-Core E21XX
1.6 GHz to 1.8 GHz (800 MHz FSB)

Chipset

Intel® X38 Chipset
Intel® X38 Chipset Express Chipset Memory Controller Hub (MCH) with Direct Media Interface (DMI) Interconnect.
Intel® 82801R I/O Controller Hub (ICH9R) with DMI Interconnect.

BIOS

16 Mbit Flash Memory Device via Intel® SPI Flash Memory
System Management BIOS (SMBIOS)
DMI 2.0, WfM 2.0, Plug & Play, Multi-Lingual support
Supports CD-ROM, Diskette, Hard Disk or Network Bootup
PC '01 Compliant

System Memory

Four 240-pin Dual Channel DIMM Sockets supporting Non-ECC 1333 MHz, 1066 MHz or 800 MHz DDR3 1.5 V SDRAM Memory
256 MB, 512 MB, 1 GB, or 2 GB DIMMs
Maximum Memory Capacity of 8 GB

System Management

Intel® Hardware Management Subsystem
Hardware Monitoring and Fan Control ASIC
Chassis Intrusion and Detection
Thermal and Voltage Monitoring
Enhanced Advanced Configuration and Power Interface (ACPI)
LAN Wake, Resume-on-Ring, Wake-from-USB, and Wake-from-PS/2 Devices Support
Instantly Available PC Technology and Alert Standard Format (ASF) v2.0
Intel® vPro™ Technology
Intel® Active Management Technology (Intel® AMT)

Storage Devices

First Independent Channel via Intel® 82801R I/O Hub (ICH9R)
Supports Two Ultra DMA 66/100 IDE Devices
Supports 6 Serial ATA Devices (3Gb/sec maximum transfer rate)
Supports RAID 0, RAID 1, RAID 5, RAID 0 +1 or RAID 10
Two External SATA (eSATA) Channels Via a Discrete Controller

Integrated Audio

Integrated 8 (7.1)-Channel Dolby® Home Theater Audio Subsystem
Intel® High Definition Audio Interface
SigmaTel® 9274D 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

ATI CrossFire Multi-GPU Platform Support
Supports Two ATI Graphics Cards to Work Together for Ultimate 3D Gaming Performance and Visual Quality
Full Support of Next Generation ATI Crossfire

Integrated Super I/O

Two IEEE 1394a Ports (one in the front and one in the back)
Twelve USB 2.0 Ports (two in the front and eight in the back and four via internal header)
One RJ-45 Port
One Optical Digital Line Out (Toslink)

Integrated Gigabit

Intel® 82566DC Gigabit Ethernet Controller (10/100/1000 Mbps/sec) LAN Subsystem

Expansion Slots

Two PCI Express 2.0 X16 slots
One PCI Express 1.1 X16 (x4 electrical) 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-CM4I349-01-031308

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

