

Gemini CM4-A363 Mid-Tower Desktop

The Gemini CM4-A363 is a mid-tower ideal for education, government and businesses looking for a value packed, low-cost desktop solution. With a range of CPU options and expansion capabilities available, Gemini gives you the flexibility to build a computing solution relevant to your needs.

Value Conscious Customers Need Look No Further

Gemini is designed for cost conscious customers who want the most bang for their buck, yet Gemini boasts plenty of expansive capability to be customized according to your specific computing needs.

Optimizes Bandwidth, Helps Reduce Latency

The Gemini CM4-A363 also features the Intel® Fast Memory Access, which enhances system performance by optimizing the use of available memory bandwidth and reducing the latency of the memory accesses.

Power and Performance

Gemini supports either the Intel® Core 2 Quad Processor or the Intel® Core 2 Duo Processor. Both processors provides powerful energy-efficient performance so you can do more at once without slowing down. Feel free to multitask with reckless abandon! Gemini provides you with the speed you need to perform any and all tasks imaginable.

Excellent Video Quality Already Included

Powered by the Intel® G31 Express Chipset, the Gemini CM4-A363 provides users with an excellent blend of graphics performance and features without the extra expense of add-in video cards or decoders.

All You Need to Keep Connected

With a score of the latest I/O ports (including 6 USB 2.0 Ports), the Gemini CM4-A363 makes it simple to connect to peripheral, communication and consumer electronic devices.

Easily Handles the Most Demanding Applications

The Gemini CM4-A363 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.



CM4-A363 FEATURES AT A GLANCE

CPU	Supports either an Intel® Core™ 2 Quad Processor or an Intel® Core™ 2 Duo Processor
Chipset	Intel® G31 Express Chipset
Video	Integrated Intel® GMA 3100 Graphics Controller
Sound System	Integrated VT1708B Codec 8-Channel (7.1) High Definition Audio Subsystem
Storage	Four SATA 3.0 Gb/s ports One UltraDMA 133 / 100 / 66 for up to 2 PATA devices
Integrated LAN	PCIe Gigabit LAN Controller (10/100/1000 Mb/s/sec)
Expansion Slots	Two 32-bit PCI Bus Slots, One PCI-Express x1 Slot and One PCI-Express x16 Slot
Dimensions (d x w x h)	465 x 198 x 425 mm / 18.3 x 7.8 x 16.7 in

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 Q6700
2.66 GHz (1066 MHz FSB)
Intel® Core™2 Quad Processor Q6600
2.40 GHz (1066 MHz FSB)
Intel® Core™2 Duo Processor E8XXX
2.66 GHz to 3.33 GHz (1333 MHz FSB)
Intel® Core™2 Duo Processor E7XXX
2.53 GHz to 2.93 GHz (1066 MHz FSB)

Chipset

Intel® G31 Chipset
Intel® 82G31 Graphics Memory Controller Hub (GMCH) with
Direct Media Interface (DMI) Interconnect.
Intel® 82801XX I/O Controller Hub (ICH7X) with DMI Interconnect.

BIOS

8 Mbit Flash ROM
AMI BIOS - DMI 2.0, WfM 2.0, Plug & Play, SM BIOS 2.4, ACPI 2.0a
Intel® AMT 5.0 Technology Support , Asus EZ Flash, ASUS CrashFree BIOS 3
PC '01 Compliant

System Memory

Two 240-pin Dual Channel DIMM Sockets supporting Non-ECC 800 MHz
DDR2 SDRAM Memory
1 GB or 2 GB DIMMs
Maximum Memory Capacity of 4 GB

System Management

Hardware, Voltage and Thermal Monitoring
CPU Fan Control
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

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)
Intel® Matrix Storage Technology via Intel® 82801JO I/O Controller Hub (ICH10DO)
Supports RAID 0, RAID 1, RAID 5 or RAID 10

Integrated Security & Encryption

Kensington® Lock Ready

Integrated Video

Intel® Graphics Media Accelerator 3100
Dynamic Video Memory Technology (DVMT) up to 384 MB
High Definition Video Processing with Max. Resolutions to 2048 x 1536 bpp(@ 85Hz)

Integrated Audio

Integrated 8 (7.1)-Channel High Definition Audio
VT1708B 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

Integrated Gigabit

PCIe Gigabit LAN Controller (10/100/1000 Mbits/sec)

Integrated Super I/O

One VGA Port
One PS/2 Keyboard Port
One PS/2 Mouse Port
One Parallel Port
One COM Port
Six USB 2.0 Ports (two in the front and four in the back)
One RJ-45 Port

Expansion Slots

One PCI Express X16 slot
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-CM4-A363-02-060109

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

