

Gemini CM4-I359

The Gemini CM4-i359 combines leading-edge media technologies and energy efficient capabilities in a powerful platform. With a range of CPU options and expansion capabilities available, Gemini gives you the flexibility to build a computing solution relevant to your business requirements. In short, the Gemini delivers a powerful mainstream performance desktop with expansive capabilities valuable to any business, education or government entity.

Easily Handles the Most Demanding Applications

The Gemini CM4-I359 also features Intel's® innovative NAND cache designed to improve the responsiveness of applications, application load times, and system boot performance. Intel® Turbo Memory, paired with the Intel P43 Express Chipset, also allows the user to easily control the applications or data in the cache using the new Intel® Turbo Memory Dashboard interface, boosting performance further.

All You Need to Keep Connected

With a score of the latest I/O ports (including up to 12 USB 2.0 Ports), the Gemini CM4-I359 makes it simple to connect to peripheral, communication and consumer electronic devices.

Quick Data Recovery

Powered by the Intel® Rapid Recover Technology, the Gemini CM4-I359 provides a recovery point that can be used to quickly recover a system should a hard drive fail or if there is data corruption. The clone can also be mounted as a read-only volume to allow a user to recover individual files.

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.

Quiet and Efficient

The Gemini CM4-I359 utilizes Intel® Quiet System Technology, which controls operating temperature ranges more efficiently to reduce system noise by minimizing fan speed changes.

Exceptional Audio

The Gemini CM4-I359 enables premium digital surround sound and delivers advanced features such as multiple audio streams and jack re-tasking.



CM4-I359 FEATURES AT A GLANCE

CPU	Supports either an Intel® Core™ 2 Quad Processor or an Intel® Core™ 2 Duo Processor
Chipset	Intel® P43 Express Chipset
Sound System	Integrated Realtek® ALC888VC Codec 6-Channel (5.1) High Definition Audio Subsystem
Storage	Six SATA 3.0 Gb/s ports One UltraDMA 133 / 100 / 66 for up to 2 PATA devices
Integrated LAN	Intel® 882567V PCIe Gigabit LAN Controller (10/100/1000 Mb/s)
Expansion Slots	Three 32-bit PCI Bus Slots, Three 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 Q9XXX, Q9XXXS
 2.50 GHz to 3.0 GHz (1333 MHz FSB with 2 MB, 6 MB or 12 MB L2 Cache)
 Intel® Core™ 2 Quad Processor Q8XXX, Q8XXXS
 2.33 GHz to 2.66 GHz (1333 MHz FSB with 4 MB or 6 MB L2 Cache)
 Intel® Core™ 2 Quad Processor Q6XXX
 2.40 GHz to 2.66 GHz (1066 MHz FSB with 8 MB L2 Cache)
 Intel® Core™ 2 Duo Processors E8XXX
 2.66 GHz to 3.33 GHz (1333 MHz FSB with 6 MB L2 Cache)
 Intel® Core™ 2 Duo Processors E7XXX
 2.53 GHz to 2.93 GHz (1066 MHz FSB with 3 MB L2 Cache)
 Intel® Core™ 2 Duo Processors E6XXX
 1.86 GHz to 3.0 GHz (1333 MHz or 1066 MHz FSB with 2 MB or 4 MB L2 Cache)
 Intel® Core™ 2 Duo Processor E4XXX
 1.8 GHz to 2.6 GHz (800 MHz FSB with 2 MB L2 Cache)

Chipset

Intel® P43 Chipset
 Intel® 82P43 Memory Controller Hub (MCH) with
 Direct Media Interface (DMI) Interconnect.
 Intel® 82801JB I/O Controller Hub (ICH10) with DMI Interconnect.

BIOS

32 Mbit EEPROM with Intel® SPI Platform Innovation Framework for EFI
 Plug and Play, DE Drive Auto-Configure
 Advanced Configuration and Power Interface
 V1.0b, DMI 2.0, Multi-Lingual support
 Supports CD-ROM, Hard Disk or Network Bootup

System Memory

Four 240-pin Dual Channel DIMM Sockets supporting Non-ECC 800 MHz
 DDR2 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) v1.0b
 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)

Integrated PCI IDE/Serail ATA/RAID

First Independent Channel via Intel® 82801JB I/O Hub (ICH10)
 Supports Two IDE or EIDE Drives Bus Master Ultra DMA/33/66/133 (133 MB/sec maximum)
 Six Independent Serial ATA Channels
 Supports Six Serial ATA Devices
 Supports 3 GB/sec maximum (SATA-IO Specification)
 Intel® Matrix Storage Technology via Intel® 82801JB I/O Controller Hub (ICH10)
 Supports RAID 0, RAID 1, RAID 5, RAID 10

Integrated LAN

Integrated Gigabit Ethernet Subsystem
 Intel® 82567V Gigabit Ethernet Controller (10/100/1000 Mbps/sec)

Integrated Audio

Integrated 6-Channel (5.1) High Definition Audio Subsystem
 RealTek® ALC888VC Audio CODEC
 Front Panel Connectors: Line Out /Retasking Jack, and Microphone In /Retasking Jack
 Back Panel Connectors: Line In/Retasking Jack, Line Out/Retasking Jack, and Microphone In/Retasking Jack

Integrated Super I/O

Twelve USB 2.0 Ports: Six Rear USB 2.0 Ports, Two Front USB 2.0 Ports
 and Four USB 2.0 Ports (Optional) via 2 Internal Headers
 Two IEEE 1394 Ports: One Rear Panel and One Front-Panel Header
 One PS/2 Keyboard Port
 One PS/2 Mouse Port

Expansion Slots

One PCI Express X16 slot
 Three PCI Express X1 slot
 Three 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)

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