

GEMINI



Key Features

- Intel® Q35 Chipset
- Intel® Core™ 2 Quad Processor Q9XXX, Q6XXX
- Intel® Core™ 2 Duo Processor E8XXX, E6XXX, E4XXX
- Intel® Pentium® Dual-Core E2XXX
- Supports Windows Vista™
- 800 MHz, 1066 or 1333 MHz Front Side Bus
- Intel® GMA 3100 Graphics and PCI Express x16
- Gigabit LAN
- Dual Channel DDR2 SDRAM
- Up to Eight 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 Series Model CM4-I341 leads the pack as an exceptional desktop with cutting-edge performance. When powered by the most advanced Intel® Core® 2 Quad processor, Gemini easily tackles processor-intensive tasks in demanding multitasking environments. The Intel® Graphics Memory Accelerator 3100 automatically provides great performance for 3D graphics and other memory demanding applications, making the extra expense of a separate graphics card unnecessary. Moreover, Gemini delivers measurable advantages and capabilities ideal for any business: such as proactive security, energy-efficient performance and remote manageability. With 8 high-speed USB 2.0 ports it is simple to connect to peripheral, communication and consumer electronic devices. Yet with a range of options and expansion capabilities, Gemini gives you the flexibility to build a computing solution relevant to your business requirements. Simply stated, the Gemini CM4-I341 brings together the astute engineering and outstanding performance needed to keep you way ahead of the competition.



Model CM4-I341

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
2.5 GHz to 2.83 GHz (1333 MHz FSB)
Intel® Core™2 Quad Processor Q6XXX
2.40 GHz to 2.66 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 3.0 GHz (1066 MHz FSB and 1333 MHz FSB)
Intel® Core 2™ Duo E4XXX (Dual Core)
1.8 GHz to 2.6 GHz (800 MHz FSB)
Intel® Pentium® Dual-Core E2XXX
1.6 GHz to 2.4 GHz (800 MHz FSB)
Intel® Celeron® 4XX
1.6 GHz to 2.0 GHz (800 MHz FSB)

Chipset

Intel® Q35 Chipset
Intel® 82Q35 Graphics Memory Controller Hub (GMCH) with Direct Media Interface (DMI) Interconnect
Intel® 828011D0 I/O Controller Hub (ICH9D0) 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 800/667 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 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

Storage Devices

First Independent Channel via Intel® 828011D0 I/O Controller Hub (ICH9D0)
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

Integrated Security & Encryption

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

Integrated Video

Intel® Graphics Media Accelerator (GMA) 3100
Dynamic Video Memory Technology (DVMT) up to 287 MB
Supports Intel® Advanced Digital Display (ADD2/ADD2+) Cards

Integrated Audio

Integrated 2+2-Channel High Definition Audio
RealTek ALC268GR Audio CODEC
Front Panel Connectors: Headphone & Microphone In
Back Panel Connectors: Line-in Line-out and Microphone-in

Integrated Super I/O

One VGA Port
One DVI-D Port
Eight USB 2.0 Ports (2 ports at the front and 6 ports at back)
One IEEE 1394a Port
One RJ-45 Port

Integrated Gigabit

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

Expansion Slots

One PCI Express x 16 Slot
Two PCI Express x 1 Slots
One PCI Slot

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 Rear 120 mm Cooling Fan
One Front 92 mm Cooling Fan (optional)

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