

GEMINI



Key Features

- Thermally Advantaged Mini-Tower
- Intel® 945GZ Chipset
- Intel® Core™2 Duo Processor E6xxx (Dual-Core)
- Intel® Core™2 Duo Processor E4xxx (Dual-Core)
- Intel® Pentium® Processor E2xxx (Dual-Core)
- 800 MHz FSB
- Dual Channel DDR2 SDRAM
- Intel® GMA 950 Graphics
- Integrated 6-Channel (5.1) High Definition Audio
- Integrated Gigabit Ethernet LAN
- Up to Eight USB 2.0 Ports
- Supports Windows Vista™
- 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 CK3-A325 is a definitive workhorse delivering solid performance at an affordable price point. When powered by the most advanced Intel® Core® 2 Duo processor, Gemini readily provides powerful energy-efficient performance so you can do more at once without slowing down. The onboard Intel® 950 Graphics Memory Accelerator automatically ensures great performance for 3D graphics and other memory demanding applications, making the expense of an extra graphics card unnecessary. Dual-channel DDR2 technology doubles the bandwidth of your system memory, boosting the system performance to outperform previous memory existing solutions. The Intel® Matrix Storage Technology also adds another layer of protection by preventing data loss and ensuring reliability. With a maximum of eight high-speed USB 2.0 ports, Gemini easily handles peripheral, communication and consumer electronic devices. Boasting a sleekly redesigned chassis, the Gemini Series Model CK3-A325 blends thoughtful engineering and powerful performance with a price point everyone can agree on.



Model CK3-A325

Gemini Series Workstation

Processor

FC-LGA4 Package (LGA775 Socket)
Intel® Netburst™ Microarchitecture
533 Mhz or 800 Mhz Front Side Bus (FSB)
Intel® Core™ 2 Duo Processor E6xxx (Dual-Core)
1.86 GHz-2.66 GHz (*1066 Mhz FSB)
Intel® Core™ 2 Duo Processor E4xxx (Dual-Core)
1.8 GHz-2.0 GHz (800 Mhz FSB)
Intel® Pentium® D Processors 9XX (Dual-Core)
2.8 GHz-3.6 GHz (800 Mhz FSB)
Intel® Pentium® Processor E2xxx (Dual-Core)
1.6 GHz-2.0 GHz (800 Mhz FSB)
Intel® Celeron® Processor 3xx 4xx 1.6 GHz-3.6 GHz
(533 Mhz or 800 Mhz FSB)

*Note: Due to Chipset Limitation, 1066FSB Processors Can Only Run at a Maximum Speed of 800 Mhz FSB on this Motherboard.

Chipset

Intel® 945GZ Chipset
Intel® 82945 Graphics Memory Controller Hub (GMCH) with
Direct Media Interface (DMI) Interconnect
Intel® 82801 I/O Controller Hub (ICH7) with DMI Interconnect
Intel® 82802AC Firmware Hub (FWH)
PCI 2.2 Compliant & Concurrent PCI for Real-Time I/O

BIOS

4 Mbit Flash EEPROM
AMI BIOS - DMI 2.0, WFM 2.0, Plug & Play, Multi-Lingual Support
and Wake-On-LAN
Asus CrashFree BIOS
Supports ZIP Drives, Supports IDE CD-ROM or SCSI Bootup
Enhanced Advanced Configuration and Power Interface (ACPI) v1.0b
PC '01 Compliant

System Memory

Two 240-pin DRAM Dual Channel DIMM Sockets supporting Non-ECC
533 Mhz or 400 Mhz DDR2 SDRAM Memory
256 MB, 512 MB or 1GB DIMMs
Maximum Memory Capacity of 2 GB

System Management

Asus CPU Parameter Recall (C.P.R.)
Asus Q-Fan Technology
Fan Status/Temperature Monitoring and Alert
Auto Stop of CPU Fan in Suspend Mode to Save Power
Auto Slow-Down of CPU When Overheating is Detected
Power Supply Voltage Monitoring and Alert
System Resources: Memory & Hard Disk Drive Utilization Monitoring & Alert,
Wake-on-LAN, Wake-on-Ring, Wake-from-USB, and Wake-from-PS/2
Devices Support
Suspend-to-Ram

Integrated PCI IDE

First Independent Channel via Intel® 82801G I/O Hub (ICH7)
Supports 2 IDE and EIDE Drives
Supports Bus Master Ultra DMA/33/66/100 (100 MB/sec maximum)

Integrated Serial ATA

4 Independent Channels
Supports 4 Serial ATA Drives
Supports 3 GB/sec Max (SATA-IO Specification)

Integrated Video

Intel® Graphics Media Accelerator (GMA) 950
Dynamic Video Memory Technology (DVMT) up to 224 MB

Integrated Audio

Integrated 6-Channel (5.1) High Definition Audio
RealTek ALC883 Audio CODEC w/ Universal Audio Architecture (UAA)
Front Panel Connectors: Line-out/Retasking and Microphone-in/Retasking, Jack A
Back Panel Connectors: S/PDIF Digital Audio Out Optical, Surround Left & Right/Retasking Jack F, Line-in/Retasking Jack C, Line-out/Retasking Jack D,
and Microphone-in/Retasking Jack B

Integrated LAN

Marvell® Yukon 88E8001 PCI Gigabit Ethernet Controller

Integrated Super I/O

One PS/2 Keyboard Port and One PS/2 Mouse Port
One Serial Port (16550 Fast UART Compatible)
One ECP/EPP Parallel Port
Eight USB Ports
Two Rear Dual Stack, One Front Dual Stack and Two Via Internal Headers (optional)
One RJ-45 Port

Expansion Slots

Two PCI Conventional, One PCI Express x1, One PCI Express x16

Bus Architecture

32-bit PCI
PCI Express x1
PCI Express x16 (x4 electrical)

Housing Configuration

Thermally Advantaged Mini-Tower Chassis w/ CAG 1.1

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

375 x 198 x 370 / 14.7 x 7.8 x 14.8 / 9.5 kg/21 lbs

Drive Bays

| | |
|--------------------|---|
| 5.25 inch External | 2 |
| 3.5 inch External | 1 |
| 3.5 inch Internal | 2 |

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

SPEC-CK3A325-01-102407

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