

GEMINI



Key Features

- Thermally Advantaged MiniTower Chassis
- Intel® G965 Chipset
- Intel® Core™ 2 Duo Processor E6xxx (Dual-Core)
- Intel® Pentium® D Processor 9xx (Dual-Core)
- 533 MHz, 800 MHz, or 1066 MHz Front Side Bus
- Dual Channel DDR2 SDRAM
- Intel® PRO 1000 Gigabit Ethernet
- Intel® GMA X3000 Graphics and PCI Express x16
- Integrated 6-Channel (5.1) High Definition Audio
- Intel® Matrix Storage Technology
- Intel® Active Management Technology (Intel® AMT)
- 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-I317 crosses into new territory, offering a sleekly redesigned chassis while maintaining the superlative performance and capabilities that NCS computers are known for. Powered by Intel's® latest processor, the Intel® Core 2 Duo assures optimized power-efficient computing and dual-core performance with impressively low power consumption, making multi-threaded applications and multitasking a snap. Leading-edge media technologies are also a standard on this powerful platform. For example, the Intel® GMA X3000 video accelerator is a next-generation video subsystem that supports a maximum of 256 MB of shared video ram using DVMT, and is key in providing a truly rich multimedia experience. The integrated Intel® High Definition 6-channel audio architecture guarantees a pure surround sound adventure. Gemini also provides active management features in an array of system control tools, and Intel® Matrix Storage Technology adds another layer of protection by preventing data loss and ensuring reliability. Simply stated, Gemini is designed to deliver exactly what you expect - stability, reliability, affordability and expandability.



Model CK3-I317

Gemini Series Workstation

Processor

FC-LGA4 Package (775-land Package)
Intel® NetBurst™ Microarchitecture
533 MHz, 800 MHz, or 1066 MHz Front Side Bus (FSB)
Intel® Core™ 2 Duo Processor E6xxx (Dual-Core)
1.86 GHz to 2.66 GHz (1066 MHz FSB)
Intel® Pentium® D Processors 9xx (Dual-Core)
2.8 GHz to 3.6 GHz (800 MHz FSB)
Intel® Pentium® 4 Processors 6xx
3.0 GHz to 3.8 GHz (800 MHz FSB)
Intel® Celeron® D Processors 3xx
2.53 GHz to 3.6 GHz (533 MHz FSB)

Chipset

Intel® G965 Chipset
Intel® 82G965 Graphics Memory Controller Hub (GMCH) with Direct Media Interface (DMI) Interconnect
Intel® 82801HB I/O Controller Hub (ICH8) with DMI Interconnect
Intel® Serial Peripheral Interface (SPI) Flash Device
PCI 2.2 Compliant & Concurrent PCI for Real-Time I/O

BIOS

8 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

Cache

Intel® Core™ 2 Duo Processor
2 x 32 KB Instruction and 2 x 32 KB Write-back Data L1 Cache
2 MB or 4 MB On-die Full Speed L2 Cache (Shared) (Advanced Smart Cache)
Intel® Pentium® D Processor 9xx (Dual-Core)
2 x (12k µop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache)
2 x (1 MB On-die, Full Speed Level 2 Cache)
Intel® Pentium® 4 Processor 6xx
12k µop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache
1 MB or 2 MB On-die, Full Speed Level 2 Cache (Advanced Transfer Cache)
Intel® Celeron® D Processor 3xx
12k µop Level 1 Execution Trace Cache and 16 KB Level 1 Data Cache
256 KB On-die, Full Speed Level 2 Cache (Advanced Transfer Cache)

System Memory

Four 240-pin Dual Channel DIMM Sockets supporting Non-ECC 800 MHz, 667 MHz, or 533 MHz DDR2 SDRAM Memory
256 MB, 512 MB, 1 GB, or 2 GB DIMMs
Maximum Memory Capacity of 8 GB (667 MHz or 533 MHz)
Maximum Memory Capacity of 4 GB (800 MHz)

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/SATA/RAID

First Independent Channel via Intel® 82801HB I/O Controller Hub (ICH8)
Supports Two IDE or EIDE Drives Bus Master Ultra DMA/33/66/133 (133 MB/sec maximum)
Four Independent Serial ATA Channels
Supports Four Serial ATA Devices
Supports 3 GB/sec maximum (SATA-IO Specification)
Intel® Matrix Storage Technology via Intel® 82801HB I/O Controller Hub (ICH8)
Supports RAID 0, RAID 1, RAID 5, RAID 0 +1 or RAID 10

Integrated Video

Intel® Graphics Media Accelerator X3000
Dynamic Video Memory Technology (DVMT) up to 256 MB
Supports Intel® Advanced Digital Display (ADD2/MEC) Cards

Integrated LAN

Integrated Gigabit Ethernet Subsystem
Intel® 82566DC Gigabit Ethernet Controller
One RJ-45 Port with Integrated LEDs

Integrated Audio

Integrated 6-Channel (5.1) High Definition Audio Subsystem
Intel® 82801HB I/O Controller Hub (ICH8)
SigmaTel® STAC9227 Audio CODEC w/ Universal Jacks™ Functionality
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

Floppy Controller for Mode 3 Support (up to 2.88 MB drive type)
One PS/2 Keyboard Port
One PS/2 Mouse Port
One ECP/EPP Parallel Port
Ten USB 2.0 Ports: One Rear Quad Stack, One Rear Dual Stack, One Front Dual Stack, and Two (Optional) via Internal Headers
Two IEEE 1394 Ports: One Rear Panel and One (Optional) via Internal Header

Expansion Slots

Two PCI Conventional
One PCI Express x1 and One PCI Express x16

Bus Architecture

32-bit PCI, PCI Express x1, and PCI Express x16

Housing Configuration

Thermally Advantaged MiniTower Chassis w/ CAG 1.1

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

375 x 198 x 370 / 14.7 x 7.8 x 14.8

Weight kg/lb

9.5 / 21

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)

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