

# GEMINI



## Key Features

- Thermally Advantaged MiniTower Chassis
- Intel® Q965 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 3000 Graphics and PCI Express x16
- Integrated 6-Channel (5.1) High Definition Audio
- Intel® Trusted Platform Module (TPM) v1.2
- 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 all new, sleekly designed Gemini CK3-I315 is the latest to join the NCS line of computers, offering exceptional performance, security, leading-edge media technologies and energy efficient capabilities in a powerful platform. Outstanding graphics are standard thanks to the Intel® GMA 3000 video accelerator, a next-generation video subsystem that supports a maximum of 256 MB of shared video ram using DVMT. The Gemini's integrated Intel® High Definition 6-channel audio architecture guarantees a pure surround sound experience. The CK3-I315 is designed with security in mind, utilizing Intel® Trusted Platform Module, which is key in preventing malicious cyber attacks, such as data theft or unauthorized access. The Gemini CK3-I315 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 put, the Gemini Series Model CK3-I315 offers valuable capabilities crucial to small and large businesses: a feature-packed system delivering consistent performance, security and connectivity.



# Model CK3-I315

# 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® Q965 Chipset  
Intel® 82Q965 Graphics Memory Controller Hub (GMCH) with Direct Media Interface (DMI) Interconnect  
Intel® 82801HO I/O Controller Hub (ICH8-DO) with DMI Interconnect  
Intel® Serial Peripheral Interface (SPI) Flash Device  
PCI 2.2 Compliant & Concurrent PCI for Real-Time I/O

## BIOS

16 Mbit (2048 KB) 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® 82801HO I/O Hub (ICH8-DO)  
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® 82801HO I/O Controller Hub (ICH8-DO)  
Supports RAID 0, RAID 1, RAID 5, RAID 0 +1 or RAID 10

## Integrated Video

Intel® Graphics Media Accelerator (GMA) 3000  
Dynamic Video Memory Technology (DVMT) up to 256 MB  
Supports Intel® Advanced Digital Display (ADD2/MEC) Cards

## Integrated LAN

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

## Integrated Audio

Integrated 6-Channel (5.1) High Definition Audio Subsystem  
Intel® 82801HO I/O Controller Hub (ICH8-DO)  
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 Security & Encryption

Intel® Trusted Platform Module (TPM) v1.2  
Protects Encryption and Signature Keys and Supports Attestation

## 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 / Weight kg/lb

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-CK3I315-02-071007

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