

APOLLO



Key Features

- Thermally Advantaged MidTower Chassis
- 250, 350, or 460 Watt Power Supply
- 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)
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

Apollo Series Workstation

Transcending serf-like computing performance mediocrity, the newly launched Apollo Series Model CM3-I315 Workstation harvests unparalleled office and departmental productivity potential. Simultaneously, its resident security and encryption functionality and support for Attestation and signature keys protection, which are key on-chip features inherent to the Apollo's Intel® Trusted Platform Module, is an infertile ground for vicious and malicious cyber attacks, either data theft or unauthorized access. Performance and power saving enhancements native to Intel's leading-edge dual core processor, coupled with the Apollo's DDR2 memory utilization, will sickle office productivity throughput supremacy while yielding to energy consumption frugality. Yoking active management features to a cornucopia of system control tools, the CM3-I315 can lower overall TCO and maintain asset surety. Other core features include: Intel® Matrix Storage Technology, Intel® High Definition audio, and the latest Intel® GMA 3000 video accelerator. With this Apollo Series, superb performance first fruits will always be the norm to any office or departmental environment.



Model CM3-I315

Apollo 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

4 Mbit (512 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/Serial ATA/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 Serial Port (16550 Fast UART Compatible)
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

Black Thermally Advantaged MidTower Chassis with CAG 1.1

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

428 x 181 x 431 / 16.85 x 7.13 x 17

Drive Bays

5.25 inch External	3
3.5 inch External	1
3.5 inch Internal (Standard/Optional)	2/0

Power Supply Features

Input Voltage	100-120 VAC/200-240 VAC
Input Frequency	50/60 Hz
Input Currents	10.0/7A
Device Power Connectors	9 for 5.25" and 1 for 3.5" Devices
Green PC	EEF Energy Efficient PC
Maximum Output	460 Watts
Form Factor	ATX
Soft Power Switch	DC On/Off via TTL Signal

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 60950, 3rd Edition
EPA:	Energy Star Compliant

Options

80 mm Cooling Fan	2
-------------------	---

NCS Technologies, Inc.

9490 Innovation Drive Voice: (703) 621-1700
Manassas, VA 20110 Toll-Free: 1 (888) RING-NCS
www.ncst.com Fax: (703) 621-1701

