

APOLLO



Apollo Series Workstation

Key Features

- Thermally Advantaged MicroTower & Desktop Chassis
- 200 Watt Power Supply
- Intel® Celeron® Processor - up to 2.4 GHz
- Intel® Pentium® 4 Processor - up to 3.06 GHz
- Intel® NetBurst™ Microarchitecture
- Intel® Hyper-Threading Technology
- 400 or 533 MHz Front Side Bus (FSB)
- Intel® 845GV Chipset
- Maximum 2 GB DDR266 SDRAM memory
- Front Panel USB 2.0 Ports and Audio Connections
- Integrated SigmaTel AC'97 Audio and front panel microphone input
- Optional Intel® PRO/100 Network Connection
- Four Hi-Speed USB 2.0 ports
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

The Apollo Series Model I166, in a Thermally Advantaged MicroTower and MicroDesktop design, delivers an extremely flexible, reliable, and cutting-edge platform. Its Intel® 845GV chipset utilizing next generation DDR266 SDRAM, coupled with Intel's latest Pentium® 4 533 MHz front side bus processors with Hyper-Threading Technology, enhances office productivity by delivering an unparalleled cost-to-performance capability. Intel® Active Monitor, Instantly Available PC Technology (Suspend-to-RAM), microphone input for superb voice recognition capability, and Precision Cooling Technology for real-time fan cooling and quieter system operation are but some of the leading edge technologies incorporated into the Apollo Series Model I166. Other hardware characteristics of its feature set include: up to four USB 2.0 ports, integrated high quality 20-bit 6-channel audio architecture, and unparalleled data throughput with up to 4.3 GB per second system bus transfer rate. Network connectivity is provided through Intel's PRO/100 LAN connection utilizing a LAN connect interface (LCI) offering a flexible network solution such as 10/100 Ethernet or 10/100 Ethernet with LAN management. These extraordinary features will assure the Apollo Series' place at the vanguard of any future performance requirements.



Model CK2-I166 & CD4-I166

Apollo Series Workstation

Processor

mPGA478-pin Package
400 MHz Front Side Bus (FSB)
533 MHz Front Side Bus (FSB)
Intel® NetBurst™ Microarchitecture
Intel® Hyper-Threading Technology
Intel® Pentium® 4 Processors @ 1.5 GHz to 3.06 GHz
Intel® Celeron® Processors @ 1.7 GHz to 2.4 GHz

Chipset

Intel® 845GV Chipset
Intel® 82845GV Graphics and Memory Controller Hub (GMCH) with Accelerated Hub Architecture (AHA) Bus
Intel® 82801DB I/O Controller Hub (ICH4) with AHA Bus
Intel® 82802AB 4Mbit Firmware Hub (FWH)
PCI 2.2 Compliant & Concurrent PCI for Real-Time I/O

BIOS

4 Mbit Flash EEPROM
Intel®/AMI BIOS - DMI 2.0, WfM 2.0, Plug & Play, SMBIOS, and Wake-On-LAN
IDE Drive Auto-Configure and Intel® Rapid BIOS Boot
Supports ZIP Drives, IDE CD-ROM or SCSI Bootup
Enhanced Advanced Configuration and Power Interface (ACPI) v1.0b
PC '01 Compliant

Cache

12k µop Level 1 Execution Trace Cache
8 KB Level 1 Data Cache
128 KB or 512 KB On-Die, Full Speed Level 2 (Advanced Transfer Cache)

System Memory

Two 184-pin gold-plated DIMM Sockets supporting 2.5V Non-ECC DDR266 SDRAM Memory
128 MB, 256 MB, 512 MB, and 1 GB DIMMs
Maximum Memory Capacity of 2 GB

System Management

Intel® Precision Cooling Technology
Intel® Active Monitor
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
Chassis Intrusion Detection
Keyboard Power-on/ Suspend-to-RAM
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

Integrated PCI IDE

2 Independent Channels - PCI Bus Master IDE Ports
Supports 4 IDE and EIDE Devices
Supports PIO Modes 3 & 4 (17 MB/sec maximum)
Supports Bus Master 8237-style DMA Mode (16 MB/sec maximum)
Supports Bus Master Ultra DMA/33 (33 MB/sec maximum)
Supports Bus Master Ultra DMA/66 (66 MB/sec maximum)
Supports Bus Master Ultra DMA/100 (100 MB/sec maximum)
ATAPI CD-ROM Supported
SCSI LED Connector

Integrated Video

Integrated Intel® Extreme Graphics Controller
32 bpp (Bits Per Pixel) Graphics Engine
Dynamic Video Memory Technology (DVMT) Supporting up to 64MB

Integrated Audio

Sigmatel STAC9750 AC '97 Audio CODEC
Back Panel Audio Connector: 1 Line-in, 1 Line-out, & 1 Microphone-in
Front Panel Audio Connector: Line-out and Microphone-in

Integrated LAN (Optional)

Intel® Network Interface Controller Subsystem
Intel® PRO/100+ utilizing Intel® 82562ET Fast Ethernet Controller

Integrated Super I/O

1 Floppy Port for One Drive (1.44 MB or 2.88 MB drive type)
1 Serial Port (16550 Fast UART compatible)
1 ECP/EPP Parallel Port
1 PS/2 Mouse Port, 1 PS/2 Keyboard Port
2 Back-panel USB 2.0 Ports: Two Dual Stack
2 Front-panel USB 2.0 Ports: One Dual Stack
1 RJ-45 Port (Optional)

Expansion Slots

Four PCI

Bus Architecture

32-bit PCI

Housing Configuration

CK2-I166 Thermally Advantaged MicroTower Chassis
CD4-I166 Thermally Advantaged MicroDesktop Chassis

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

CK2-I166 35.18 x 17.98 x 36.50 / 13.85 x 7.08 x 14.37
CD4-I166 40.97 x 35.89 x 13.03 / 16.13 x 14.13 x 5.13

Drive Bays

5.25 inch External = 2 (MicroTower)/ 2 (MicroDesktop)
3.5 inch External = 2 (MicroTower/ 1 (MicroDesktop)
3.5 inch Internal = 2 (MicroTower)/2 (MicroDesktop)

Power Supply Features

Input Voltage 100-120 VAC/200-240 VAC
Input Frequency 50/60 Hz
Input Currents 3 A / 6 A
Device Power Connectors 4 for 5.25" and 1 for 3.5" Devices
Green PC EEF Energy Efficient PC
Maximum Output 200 Watts
Form Factor Intel® MicroATX
Soft Power Switch DC On/Off via TTL Signal

Environmental

Operating Temperature: 0° to 55° C / 32° to 131° F
Storage Temperature: -40° to 70° C / -42° to 158° F
Relative Humidity: 92% RH @ 36° C / 97° F
Airflow Requirements: 100 LFM

Regulatory & Product Certifications

EMI/RFI: FCC Declaration of Conformity (DoC)
Safety: Underwriter Laboratories 1950, 1st Edition
EPA: Energy Star Compliant

Options

80 mm Cooling Fan 2

NCS Technologies, Inc.

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Manassas, VA 20110
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Toll-Free: 1 (888) RING-NCS
Fax: (703) 621-1701

