

APOLLO



Apollo Series Workstation

Key Features

- MicroTower & MicroDesktop Chassis (Thermally Advantaged)
- 200 Watt Power Supply
- Intel® Celeron® Processor - up to 2.2 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® 845GE Chipset
- Maximum 2 GB DDR333/266 SDRAM memory
- Front Panel USB 2.0 Ports and Audio Connections
- Integrated AC' 97 Audio with SoundMAX® Cadenza®
- Optional Intel® PRO/100 or Intel® PRO/1000 LAN
- Six Hi-Speed USB 2.0 ports
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

The Apollo Series Model I169, in a MicroTower or MicroDesktop chassis design, handling exceptional “Cost-To-Performance” Double Data Rate memory technology, is perhaps the best example of affordable power computing geared to an astute and price conscience public sector market. Utilizing the latest Intel® Celeron® and Pentium®4 CPUs with Intel® NetBurst™ microarchitecture and a truly blazing 533MHz system bus, not only provides the Apollo just the right cabinet design for space hungry schools and offices but out-performs legacy equipment twice the Apollo’s size. Built around the Intel® 845GE chipset, the Apollo has a host of cutting-edge technologies such as: Suspend-to-RAM, Intel® Extreme Graphics or 1.5V 4X AGP, 6 USB 2.0 ports, and integrated high quality 20-bit 2-channel audio architecture. Reducing its Total Cost of Ownership even further is the Apollo Series’ support for optional onboard Intel® PRO/100 + Fast Ethernet or Intel® PRO/1000 Gigabit Ethernet connectivity. Intended for cost-conscience institutional end-users, either in the government or education markets, this latest Apollo Series proves that performance need not be sacrificed for the sake of value.



Models CK2-I169 & CD4-I169

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 2.2 GHz

Chipset

Intel® 845GE Chipset
Intel® 82845GE 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 uop 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 DDR333/266 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

Analog Devices AD1981B AC '97 Audio CODEC with SoundMAX® Cadenza®
Back Panel Audio Connector: 1 Line-in, 1 Line-out, & 1 Microphone-in (mono or stereo)
Front Panel Audio Connector: Line-out and Microphone-in (mono or stereo)

Integrated LAN (Optional)

Intel® Network Interface Controller Subsystem
Intel® PRO/1000 utilizing Intel®82540EM Gigabit Ethernet Controller, or
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
4 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

3 PCI, 1 AGP 4X 1.5V
Communication and Networking Riser (CNR) (Optional)

Bus Architecture

32-bit PCI, AGP 4X

Housing Configuration

CK2-I169 Thermally Advantaged MicroTower Chassis
CD4-I169 Thermally Advantaged MicroDesktop Chassis

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

CK2-I169 35.18 x 17.98 x 36.50 / 13.85 x 7.08 x 14.37
CD4-I169 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

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