

APOLLO



Key Features

- Thermally Advantaged Micro Tower
- Intel® 945G Chipset
- Intel® Celeron® D Processor 3xx
- Intel® Pentium® D Processor 8xx 9xx (Dual-Core)
- 533 MHz, 800 MHz, or 1066 MHz FSB
- Dual Channel DDR2 SDRAM
- Intel® PRO 1000 Gigabit Ethernet
- Intel® GMA 950 Graphics and PCI Express x16
- Integrated 6-Channel (5.1) High Definition Audio
- Intel® Trusted Platform Module (TPM) x1.2
- Intel® Matrix Storage Technology
- Intel® Active Management Technology (Intel® AMT)
- 270 Watt Power Supply
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

Apollo Series Workstation

The Apollo Series Model I283 is an artful combination leading-edge media technologies and high performance bandwidth capabilities. Its superior computing power is provided by Intel's Pentium® D Processor 8xx 9xx (Dual-Core), having two physical processors on the same silicon, each with separate on-die cache. In addition to raw power, the Apollo runs cooler and quieter, thanks in part to better processor specific thermal and power enhancements. Higher data throughput is provided by the Apollo's dual channel 667 MHz DDR2 SDRAM utilization. For digital media storage capacity, the Apollo incorporates four independent Serial ATA channels, each supporting next generational drives with 3 GB/sec transfer rates, and utilizes Intel's Matrix Storage Technology. Superb video technologies such as the Intel® GMA 950 Graphics or PCI Express x16 architecture for high-end video accelerators lends to any qualitative viewing or multimedia demand load. Pure high definition surround sound comes standard on the Apollo, which is capable of 6-channel audio output through its retasking jacks. No matter what the driven creative or digital content, the Apollo Series maximizes multimedia performance.



Model CK2-I283

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® Celeron® D Processors 3xx
2.53 GHz to 3.2 GHz (533 MHz FSB)
Intel® Pentium® 4 Processors 5xx & 6xx
3.0 GHz to 3.8 GHz (800 MHz FSB)
Intel® Pentium® D Processors 8xx 9xx (Dual-Core)
2.8 GHz to 3.6 GHz (800 MHz FSB)

Chipset

Intel® 945G Chipset
Intel® 82945G Graphics Memory Controller Hub (GMCH) with Direct Media Inter-
face (DMI) Interconnect
Intel® 82801GR I/O Controller Hub (ICH7-R) 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, SMBIOS, Multi-Lingual support
Supports CD-ROM, Diskette, Hard Disk or Network Bootup
PC '01 Compliant

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)
Intel® Pentium® 4 Processor 5xx & 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® Pentium® D Processor 8xx 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)

System Memory

Four 240-pin Dual Channel DIMM Sockets supporting Non-ECC 667 MHz and 533 MHz
DDR2 SDRAM Memory
128 MB, 256 MB, 512 MB and 1 GB DIMMs
Maximum Memory Capacity of 4 GB

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
Alert Standard Format (ASF) v2.0
Intel® Active Management Technology (Intel® AMT)

Integrated PCI IDE

First Independent Channel via Intel® 82801G I/O Hub (ICH7)
Supports Two IDE or EIDE Drives
Supports Bus Master Ultra DMA/33/66/100 (100 MB/sec maximum)

Integrated Serial ATA/RAID

4 Independent Channels
Supports 4 Serial ATA Devices
Supports 3 GB/sec maximum (SATA-IO Specification)
Intel® Matrix Storage Technology via Intel® 82801GR I/O Controller Hub (ICH7-R)
Supports RAID 0, RAID 1, RAID 5, RAID 0 +1 or RAID 10

Security & Encryption

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

Integrated Video

Intel® Graphics Media Accelerator (GMA) 950
Dynamic Video Memory Technology (DVMT) up to 224 MB
Supports Intel® Advanced Digital Display (ADD2/ADD2+) Cards

Integrated LAN

Integrated Gigabit Ethernet Subsystem
Intel® 82573E Gigabit Ethernet Controller
One RJ-45 Port with Two Integrated LEDs

Integrated Audio

Integrated 6-Channel (5.1) High Definition Audio Subsystem
Intel® 82801G I/O Controller Hub (ICH7)
SigmaTel® STAC9220 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)
1 PS/2 Keyboard and 1 PS/2 Mouse Port
One Serial Port (16550 Fast UART Compatible)
One ECP/EPP Parallel Port
Eight USB 2.0 Ports
Two Rear Dual Stack, One Front Dual Stack, and Two via Internal Headers (Optional)
Three IEEE 1394 Ports
One Rear Panel, One Front, and One via Internal Header (Optional)

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 MicroTower Chassis

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

35.18 x 17.98 x 36.50 / 13.85 x 7.08 x 14.37

Drive Bays

5.25 inch External	2
3.5 inch External	2
3.5 inch Internal	1

Power Supply Features

Input Voltage	100-240 VAC
Input Frequency	50/60 Hz
Input Currents	3.0 A / 6.0 A
Device Power Connectors	4 for 5.25" and 1 for 3.5" Devices
Green PC	EEF Energy Efficient PC
Maximum Output	270 Watts
Form Factor	Intel® MicroATX
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
Airflow Requirements	100 LFM

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
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