

CONQUEST



Conquest III Series Workstation

Key Features

- MidTower or FullTower Chassis
- 250, 300 or 350 Watt Power Supply
- Intel® Celeron® Processor - 1.7 to 2.0 GHz CPU
- Intel® Pentium® 4 Processor - 1.5 to 2.8 GHz CPU
- Intel® NetBurst™ Microarchitecture
- 400 or 533 MHz Front Side Bus (FSB)
- 128 or 512 KB L2 Cache
- Intel® 845PE Chipset
- Maximum 2 GB DDR333/266 SDRAM memory
- 1.5V AGP 4X AGP Slot
- Integrated AC' 97 Audio with SoundMAX® Cadenza® with SPX® and stereo microphone inputs
- Optional Intel® PRO/100 Network Connection
- Six Hi-Speed USB 2.0 ports
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

The Conquest III Series Model I179, in a MidTower or Full Tower cabinet design, delivers an extremely flexible, reliable, and cutting-edge platform. Its Intel® 845PE chipset utilizing next generation DDR333 SDRAM, coupled with Intel's Pentium® 4 533 MHz or Celeron® 400 MHz front side bus processors, enhances office productivity by delivering an unparalleled cost-to-performance capability. Intel® Active Monitor, Instantly Available PC Technology (Suspend-to-RAM), stereo microphone input for enhanced 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 Conquest III Series Model I179. Other hardware characteristics of its feature set include: up to six USB 2.0, integrated high quality 20-bit audio architecture, and unparalleled data throughput with up to 4.2 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 Conquest III Series' place at the vanguard of any future performance requirements.



Models CM1-I179 & CF1-I179

Conquest III Series Workstation

Processor

mPGA478-pin Package
400 MHz Front Side Bus (FSB)
500 MHz Front Side Bus (FSB)
Intel® NetBurst™ Microarchitecture
Intel® Pentium® 4 Processors
1.5 to 2.8 GHz CPUs
Intel® Celeron® Processors
1.7 to 2.0 GHz CPUs

Chipset

Intel® 845PE Chipset
Intel® 82845PE Memory Controller Hub (MCH) with Accelerated Hub Architecture (AHA) Bus
Intel® 82801DB I/O Controller Hub (ICH4) with AHA Bus
Intel® 82802AB 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
Intel® Rapid BIOS Boot
Supports ZIP Drives
Supports 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 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
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
Suspend-to-RAM

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 DMA Mode 2 (22 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 Audio

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

Integrated LAN (Optional)

Intel® ICH4 (with Integrated LAN Media Access) Network Interface Controller Subsystem
Intel® 82562ET Chipset complying with IEEE 802.3u Auto-Negotiation and IEEE 802.3x Full-Duplex Flow Control Standards

Integrated Super I/O

1 Floppy Port for One Drive (up to 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
1 SCSI LED Connector
4 Back-panel USB 2.0 Ports: Two Dual Stack
2 Front-panel USB 2.0 Ports: Header requiring cable to front panel
1 RJ-45 Port (Optional)

Expansion Slots

Six PCI Slots, 1 AGP 4X Connector
Communication and Networking Riser (CNR) (optional)

Bus Architecture

32-bit PCI, AGP 4X

Housing Configuration

MidTower Chassis (CM1-I179)
FullTower Chassis (CF1-I179)

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

42 x 18.5 x 42.8 / 16.5 x 7.3 x 16.8 (MidTower)
42.2 x 19 x 64 / 16.6 x 7.5 x 25.2 (FullTower)

Drive Bays

5.25 inch External = 2 (MidTower)/6 (FullTower)
3.5 inch External = 3 (MidTower)/1 (FullTower)
3.5 inch Internal (Standard/Optional) = 1/0 (MidTower)/5/2 (FullTower)

Power Supply Features

Input Voltage	100-120 VAC/200-240 VAC
Input Frequency	50/60 Hz
Input Currents	10.0/5.5A
Device Power Connectors	7 for 5.25" and 2 for 3.5" Devices
Green PC	EEF Energy Efficient PC
Maximum Output	300 Watts
Form Factor	Intel® ATX
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

9 cm Cooling Fan	1 for both MidTower and FullTower
12 cm Cooling Fan	1 for MidTower, 3 for FullTower
3.5 inch Hard Drive Bracket	1 for FullTower (holding two 3.5" drives)

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