

CONQUEST



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 20-bit Audio with SoundMAX® Cadenza®
- Optional Intel® PRO/100 Network Connection
- Six Hi-Speed USB 2.0 ports
- IDE/Serial ATA with support for RAID
- FCC DoC, UL Listed, EPA Energy Star Compliant
- DMI, ACPI, PC '01 Compliant

Conquest III Series Workstation

The Conquest III Series Model I180, in a MidTower or FullTower cabinet design, delivers an extremely robust, solid, cutting-edge platform. Its Intel® 845PE chipset utilizing next generation DDR333 SDRAM, coupled with Intel's Pentium® 4 533 MHz or Celeron® 400 MHz frequency processors, absolutely delivers unrivaled office productivity or extreme gaming performance. The Conquest's cutting-edge technology includes Intel's Precision Cooling Technology and Serial ATA Technology bearing up to a 50% performance delta while delivering real-time fan cooling capability and quieter system performance. Other hardware characteristics of its feature set include: having up to three IEEE 1394a (Firewire) and six USB 2.0 ports, 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 exceptional characteristics of the Conquest III Series will bring new levels of business productivity or gaming arena performance.



Models CM1-I180 & CF1-I180

Conquest III Series Workstation

Processor

mPGA478-pin Package
400 MHz Front Side Bus (FSB)
533 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, multi-lingual support, 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 DIMM Sockets supporting up to two Double-Sided DIMMs for 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
Fan Status/Temperature Monitoring and Alert
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/SATA Interface

2 Independent Channels - PCI Bus Master IDE Ports
Supports 4 IDE and EIDE Drives
Supports Ultra DMA, ATA-66 and ATA-100
ATAPI Devices Supported
Laser Servo Devices Supported
SCSI LED Connector
Promise® Technology PDC20267 RAID Controller (Optional)
Support for RAID 0, 1 or 0+1
Max Data Transfer: up to 100 MB/sec with CRC Error Checking
Silicon Image Sil 3112a PCI-to-Serial Controller (Optional)
Two Dedicated SATA Connectors
Support for RAID 0,1
Max Data Transfer: up to 150 MB/sec

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)

Integrated Audio

Analog Devices AD1981B AC '97 Audio CODEC with SoundMAX® Cadenza®
Back Panel Connectors: One Line-In, One Line-Out, and One Microphone-In (Mono or Stereo)
Front Panel Connectors: Pins for Line-Out and Microphone-In (Mono or Stereo)
Analog Devices AD1980 AC '97 Audio CODEC with Six Channel Audio Subsystem (Optional)
Front Panel Connectors: Front Left & Right Out, Center & Low Frequency Effects (LFE) Out, Line-In, Microphone-In (Mono or Stereo)
Back Panel Connectors: Front Left & Right Out, LFE Out, Rear Left & Right Out, Line-In, Microphone-In (Mono or Stereo), Digital S/PDIF (RCA), Optical S/PDIF (Toslink)

Integrated LAN (Optional)

Intel® ICH4 (w/ 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

Floppy Controller for 3 Mode 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
Six USB 2.0 Ports
Four Back Panel: Two Dual Stack Connectors
Two Front Panel: Header
One RJ-45 Port with Integrated LED (Optional)
IEEE 1394a-2000 Controller (Optional)
One back panel port and two front panel headers

Expansion Slots

Five PCI Slots, 1 AGP 4X Slot
Communication and Networking Riser (CNR) (optional)

Bus Architecture

32-bit PCI, AGP 4X

Housing Configuration

CM1-I180 MidTower Chassis
CF1-I180 FullTower Chassis

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

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

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 100-240 VAC
Input Frequency 50/60 Hz
Input Currents 9 A
Device Power Connectors 7 for 5.25" and 2 for 3.5" Devices
Green PC EEF Energy Efficient PC
Maximum Output 350 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

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