

# DIGITAL PC 5100

MIS managers who demand security and manageability will want the DIGITAL™ PC 5100 (formerly Celebris™ FX-2). Optimized to run Windows NT® or Windows® 95, the DIGITAL PC 5100 comes loaded with features, from integrated audio, 3-D graphics, and networking to SMART drive technology and leading-edge security features. And with SecureON, the DIGITAL PC 5100 proves its leadership as a highly manageable, totally secure PC for corporate environments.

## TARGET AUDIENCE

- Advanced users of productivity business applications (financial, graphics, etc.) looking for leading-edge technology to deliver optimized Windows NT or Windows 95 performance.
- Advanced users looking for a well-integrated, feature-rich system.
- Enterprises looking for secure and manageable systems.

## KEY FEATURES

- 166MHz, 200MHz, and 233MHz Pentium® processors with MMX technology.
- Advanced manageability and security with DIGITAL ClientWORKS™.
- Intel 430TX PCI chip set.
- Three DIMM sockets; 64-bit SDRAM interface, expandable to 256MB.
- 512KB pipeline-burst cache standard.
- CD-ROM drive (select models).
- Two Universal Serial Bus (USB) ports.
- SMART drives.
- Ultra DMA/33 capable EIDE drives.
- Flash ROM: 2MB Flash ROM BIOS.
- Low-profile and short-tower enclosures.
- Year 2000-ready.
- Windows 95 or Windows NT 4.0 preinstalled.



## COMPETITIVE DIFFERENTIATORS

- Advanced manageability and security with ClientWORKS:
  - SecureON for secure remote system wake-up.
  - SecureBIOS for firmware tampering prevention.
  - SecureBOX for system box tampering detection.
  - Environmental sensors support.
- Automatic SMART alarming (remote and local):
  - Disk failures (on SMART-enabled hard disks)\*.
  - Environmentally hazardous conditions (temperature/voltage).
  - System box tampering (SecureBOX).
  - Unauthorized wake-up attempts (SecureON).
- Ultra DMA drives; faster drives, doubled peak rate transmission, seektimes, SMART drives.
- Advanced graphics: Integrated graphics with S3™ VIRGE/GX for superior 2-D and 3-D accelerations; 2MB SGRAM standard, upgradable to 4MB.
- Integrated audio: 16-bit, Sound Blaster® Pro-compatible.
- Faster networking with integrated 10Base-T/100Base-TX Autosensing for higher bandwidth, ease of upgrade path.

\*Windows 95 models only.

Features	DIGITAL™ PC 5100	Compaq Deskpro 4000	HP XA	IBM PC 300PL	Dell OptiPlex GXi
Processors	166 Pentium® w/MMX 200 Pentium w/MMX 233 Pentium w/MMX	166 Pentium w/MMX 200 Pentium w/MMX 233 Pentium w/MMX	166 Pentium w/MMX 200 Pentium w/MMX 233 Pentium w/MMX	166 Pentium w/MMX 200 Pentium w/MMX 233 Pentium w/MMX	200 Pentium 166 Pentium w/MMX 200 Pentium w/MMX 233 Pentium w/MMX
Chip set	Intel 430TX	VIA Apollo	Intel 430HX	Intel 430HX	Intel 430HX
Enclosure	Low-profile (3x4) Short-tower (5x6)	Desktop (5x4) Mini-tower (7x5)	Desktop (4x4) Mini-tower (6x6)	Desktop (4x4) Mini-tower (6x6)	Slim (3x3) Desktop (5x5) Mini-tower (7x6)
Standard graphics	S3™ VIRGE/GX	S3 VIRGE/GX	Matrox Millennium card	Matrox Mystique 220	S3 Trio 64V/GX
Video RAM std.	2MB SGRAM	2MB SGRAM	2MB WRAM	2MB SGRAM	2MB EDO DRAM
Video RAM max.	4MB SGRAM	4MB SGRAM	8MB WRAM	4MB SGRAM	2MB EDO DRAM
Maximum memory	256MB	384MB	192MB	384MB	512MB ECC EDO DRAM
Memory type	SDRAM DIMMs	SDRAM DIMMs	EDO DRAM SIMMs	SDRAM DIMMs	EDO DRAM DIMMs
Cache standard/ maximum	512KB/512KB	512KB/1MB	512KB/512KB	512KB/512KB	256KB/512KB
Cache type	Pipeline-burst	Pipeline-burst	Pipeline-burst	Pipeline-burst	Pipeline-burst
USB port	2 ports	2 ports	2 ports	2 ports	2 ports
CD-ROM	24x on select models	16x on select models	8x on select models	24x on select models	12x/24x
Audio	16-bit audio (stereo)	On CD models	16-bit audio on CD models	16-bit audio on CD models	Sound Blaster® Pro-compatible (all models)
Standard hard disk configurations	EIDE: 2.1GB, 3.2GB, 4.0GB	EIDE: 2.4GB, 3.2GB	EIDE: 1.6GB, 2.5GB	EIDE: 1.6GB, 2.5GB	EIDE: 2.5GB 4.2GB
Disk controller	Ultra DMA/33	Ultra DMA/33	EIDE DMA mode2	EIDE DMA mode2 Ultra-Wide SCSI: 2.1GB, 4.3GB	EIDE DMA mode2 Ultra-Wide SCSI: 2.0GB, 4.0GB
Networking	10Base-T/100Base-TX with Autosensing	10/100 Ethernet with Autosensing	10/100Base-T	10/100Base-T	3Com 10/100 Ethernet
Desktop management	ClientWORKS™ (local & remote DMI viewer)	Intelligent Manageability (local DMI viewer)	HP TopTOOLS (local DMI viewer)	NetFinity (local & remote DMI viewer)	Dell Inspector (local DMI viewer)

## Processors

Model/Processor/Speed/Enclosure:  
 DIGITAL™ PC 5100 low-profile/short-tower  
 166MHz Pentium™ processor with MMX technology  
 200MHz Pentium processor with MMX technology  
 233MHz Pentium processor with MMX technology

External bus speed: 66MHz  
 Internal architecture: 32-bit PCI  
 Address bus: 32-bit  
 Data bus: 64-bit  
 Primary cache: 32KB

## Processor Socket

Zero-Insertion-Force (ZIF) socket 7

## System Memory

Included: 16/32MB SDRAM  
 Maximum: 256MB SDRAM  
 Configuration: Three DIMM sockets  
 Upgradable: With 16, 32, 64, and 128MB SDRAM DIMM upgrade modules

## Secondary Cache

512KB pipeline-burst secondary cache standard

## Bus Architecture

32-bit PCI/16-bit ISA

## BIOS

Flash ROM BIOS  
 Video BIOS  
 Plug and Play BIOS  
 Phoenix

## Graphics

Type: PCI 64-bit S3™ VIRGE/GX graphics accelerator for 2-D and 3-D graphics applications  
 Graphics memory: 2MB SGRAM standard, upgradable to 4MB  
 Supports up to 1600 x 1200 @ 75Hz

## Diskette Drive

3.5" 1.44MB

## CD-ROM Drive

5.25" 24x max. EIDE (select models)

## Audio Features

Sound Blaster® Pro-compatible  
 Full-duplex stereo  
 Headphones in/microphone in on front  
 Line in/speaker out on rear

## Networking Features

Integrated 32-bit PCI DIGITAL 21143 Ethernet chip  
 10Base-T/100Base-TX standard  
 Autosensing capability

## Slots

Low-profile  
 Total: 3  
 PCI: 1  
 PCI/ISA: 1  
 ISA: 1

Short-tower  
 Total: 5  
 PCI: 2  
 ISA: 3

## Bays

Low-profile: 4 total  
 Front-accessible:  
 1 3.5" slim-height (1.44MB diskette drive installed)  
 2 5.25" half-height

Internal:  
 1 3.5" slim-height

Short-tower: 6 total  
 Front-accessible:  
 1 3.5" slim-height (1.44MB diskette drive installed)  
 3 5.25" half-height

Internal:  
 2 3.5" slim-height

## External Ports

Enhanced parallel (ECP/EPP):  
 1 D-type female 25-pin

High-speed 16550-compatible serial:  
 1 D-type male 9-pin

Universal Serial Bus (USB):  
 2 USB ports

VGA graphics:  
 1 D-type female 15-pin

Ethernet:  
 1 10Base-T/100Base-TX

Keyboard:  
 1 PS/2-compatible 6-pin mini-DIN

Mouse:  
 1 PS/2-compatible 6-pin mini-DIN

Audio:  
 2 jacks (line in/stereo out)  
 1 microphone  
 1 headphone connection

## Power Supply

Low-profile: 100 watts  
 Short-tower: 200 watts  
 Operating voltage: 110/220V switch-selectable

## Dimensions

Low-profile  
 Height: 4.2" 105.7mm  
 Width: 16.5" 419.1mm  
 Depth: 17.75" 450.8mm  
 Weight: 31.2 lb 14.1kg

Short-tower  
 Height: 16.0" 406.4mm  
 Width: 8.5" 215.9mm  
 Depth: 17.5" 444.5mm  
 Weight: 33.6 lb 15.2kg

## Multilevel Security and Manageability

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SecureON for secure remote system wake-up  
 SecureBIOS for firmware tampering prevention  
 SecureBOX for system box tampering detection  
 Built-in BIOS password protection  
 User and supervisor passwords  
 Diskette drive write control  
 Flash ROM write protection  
 Diskette drive boot control  
 SMART IDE disk support for Windows® 95 with user applet and status indicator  
 as part of ClientWORKS™  
 Security hasp

## Preemptive Fault Management

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Automatic remote and local alarming on all SMART devices supported via both remote DMI and local applications: SMART IDE drives (Windows 95), thermal sensors, voltage sensors

## Regulatory Certifications

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FCC-B, CISPR-22 (class B), UL, PTT, VCCI-2, CSA, TUV-GS, CE Mark (Europe), Korean EMI, N-Mark (NEMKO), D-Mark (DEMKO), S-Mark (SEMKO), FIMKO (SETI), CB (European), AS/NZS 3548

## Software Preinstalled

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Windows 95 or Windows NT® 4.0  
 DIGITAL™ ClientWORKS (Desktop Management Interface [DMI] manageability software) with SMART applet (see Section C)  
 Alta Vista Search My Computer pX  
 System Readme  
 On-line documentation  
 Power management  
 Adobe® Acrobat™ Reader  
 Microsoft® Internet Explorer  
 AMI Diagnostics (DOS-based)  
 Power panel for Windows NT  
 PC Care Diagnostics for Windows 95  
 Desktop Wellness  
 Z.A.K. (on backup CD)

## Certified Operating Systems

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Windows 95, Windows NT Workstation,  
 Novell® NetWare® 386 3.12 and 4.1 (client only)

## Other Standard Features

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Color-coded I/O ports  
 Integrated disk controller with Ultra DMA/33 capability  
 Bus Master EIDE support for Mode 3 and 4 EIDE drives  
 Slide-in, slide-out MLB  
 Single-thumbscrew enclosure (low-profile)  
 Three-thumbscrew enclosure (short-tower)  
 Front reset button  
 Intel 430TX PCI chip set  
 Keyboard  
 Mouse  
 SMART interface disk support

## Other Specifications

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Front panel indicators:  
 Power, hard disk drive, diskette drive  
 Front panel switches:  
 Power, reset  
 Operating temperature: 10°C to 40°C  
 Storage temperature: -40° to 66°C  
 Operating humidity: 20% to 80%  
 Storage humidity: 10% to 95%

## Warranty

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Three-year limited warranty

## Configurations

*All configurations include:*

*3.5" 1.44MB diskette drive, 512KB pipeline-burst write-back cache, integrated S3<sup>™</sup> VIRGE/GX 2-D/3-D graphics controller, integrated audio, integrated 10Base-T/100Base-TX networking*

**DIGITAL<sup>™</sup> PC 5100 low-profile**

166MHz Pentium <sup>™</sup> processor with MMX technology,.....	FR-DAA04-AC
32MB SDRAM, 2GB Ultra DMA hard disk drive, Windows <sup>®</sup> 95 preinstalled	
166MHz Pentium processor with MMX technology,.....	FR-DAB04-AC
32MB SDRAM, 2GB Ultra DMA hard disk drive, Windows NT <sup>™</sup> 4.0 preinstalled	
Model 1, 200MHz Pentium processor with .....	FR-DA004-AS
MMX technology, 32MB SDRAM, no hard disk drive	
200MHz Pentium processor with MMX technology,.....	FR-DAA04-AE
32MB SDRAM, 2GB Ultra DMA hard disk drive, 24x max. CD-ROM drive, Windows 95 preinstalled	
200MHz Pentium processor with MMX technology,.....	FR-DAB04-AE
32MB SDRAM, 2GB Ultra DMA hard disk drive, 24x max. CD-ROM drive, Windows NT 4.0 preinstalled	
200MHz Pentium processor with MMX technology,.....	FR-DAB04-CA
32MB SDRAM, 3.2GB Ultra DMA hard disk drive, Windows NT 4.0 preinstalled	
Model 1, 233MHz Pentium processor with .....	FR-DA004-AV
MMX technology, 32MB SDRAM, no hard disk drive	
233MHz Pentium processor with MMX technology,.....	FR-DAA04-AJ
32MB SDRAM, 3.2GB Ultra DMA hard disk drive, Windows 95 preinstalled	
233MHz Pentium processor with MMX technology,.....	FR-DAB04-AH
32MB SDRAM, 3.2GB Ultra DMA hard disk drive, Windows NT 4.0 preinstalled	

**DIGITAL PC 5100 short-tower**

166MHz Pentium processor with MMX technology,.....	FR-DAA04-AH
16MB SDRAM, 2GB Ultra DMA hard disk drive, 24x max. CD-ROM drive, Windows 95 preinstalled	
166MHz Pentium processor with MMX technology,.....	FR-DAA04-AD
32MB SDRAM, 3.2GB Ultra DMA hard disk drive, 24x max. CD-ROM drive, Windows 95 preinstalled	
166MHz Pentium processor with MMX technology,.....	FR-DAB04-AD
32MB SDRAM, 3.2GB Ultra DMA hard disk drive, 24x max. CD-ROM drive, Windows NT 4.0 preinstalled	
200MHz Pentium processor with MMX technology,.....	FR-DAA04-AF
32MB SDRAM, 3.2GB Ultra DMA hard disk drive, 24x max. CD-ROM drive, Windows 95 preinstalled	
200MHz Pentium processor with MMX technology,.....	FR-DAB04-AF
32MB SDRAM, 3.2GB Ultra DMA hard disk drive, 24x max. CD-ROM drive, Windows NT 4.0 preinstalled	
Model 1, 233MHz Pentium processor with .....	FR-DA004-AW
MMX technology, 32MB SDRAM, no hard disk drive	
233MHz Pentium processor with MMX technology,.....	FR-DAA04-AK
32MB SDRAM, 3.2GB Ultra DMA hard disk drive, 24x max. CD-ROM drive, Windows 95 preinstalled	
233MHz Pentium processor with MMX technology,.....	FR-DAB04-AJ
32MB SDRAM, 3.2GB Ultra DMA hard disk drive, 24x max. CD-ROM drive, Windows NT 4.0 preinstalled	
233MHz Pentium processor with MMX technology,.....	FR-DAB04-CB
32MB SDRAM, 4.3GB Ultra DMA hard disk drive, 24x max. CD-ROM drive, Windows NT 4.0 preinstalled	

## Options

**System Memory**

16MB SDRAM single-bank DIMM upgrade kit .....	FR-PCCAM-EB
32MB SDRAM dual-bank DIMM upgrade kit .....	FR-PCCAM-EC
64MB SDRAM single-bank DIMM upgrade kit .....	FR-PCCAM-ED
128MB SDRAM dual-bank DIMM upgrade kit .....	FR-PCCAM-EE

**Graphics Options and Upgrades**

2MB SGRAM upgrade for S3 VIRGE/GX .....	FR-PCCAM-EG
Matrox MGA Millennium II graphics accelerator .....	FR-PCXAG-BD
4MB WRAM upgrade for Matrox MGA Millennium II .....	FR-PCCAM-CC

**Storage Devices**

3.5" 1.44MB diskette drive .....	FR-PCXRJ-AD
2GB Ultra DMA EIDE hard disk drive .....	FR-PCXRA-AR
3.2GB Ultra DMA EIDE hard disk drive .....	FR-PCXRA-AS
4GB Ultra DMA EIDE hard disk drive .....	FR-PCXRA-AT
6.4GB Ultra DMA EIDE hard disk drive .....	FR-PCXRA-AU
2GB Ultra-Wide SCSI hard disk drive .....	FR-CDCAA-BA
4GB Ultra-Wide SCSI hard disk drive .....	FR-PCXRE-BA
4/8GB internal ATAPI tape drive .....	FR-PCXAT-DB
24x max. EIDE CD-ROM drive, 5.25" .....	FR-PCXRN-AM

**Network Interface Cards**

Ethernet PCI 10Mbps .....	FR-DE450-CA
Ethernet PCI 10/100Mbps .....	FR-DE500-AA

**Multimedia**

24x CD-ROM drive, Creative Labs multimedia kit .....	FR-PCXBJ-DP
(includes Plug and Play sound card, headset with microphone, audio cable, installation disk)	
Speaker kit – 10 watt .....	FR-PCXJA-AH
Headset with microphone .....	FR-PCXJF-AC

**SCSI Adapter**

Adaptec 2940UW PCI/SCSI Ultra-Wide adapter .....	FR-PCTAZ-DE
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**Monitors**

DIGITAL PC 5000 Series PCs support all DIGITAL monitors. Refer to the Monitors section for part numbers

**Keyboard**

Windows 95 keyboard .....	FR-PCXLA-NA
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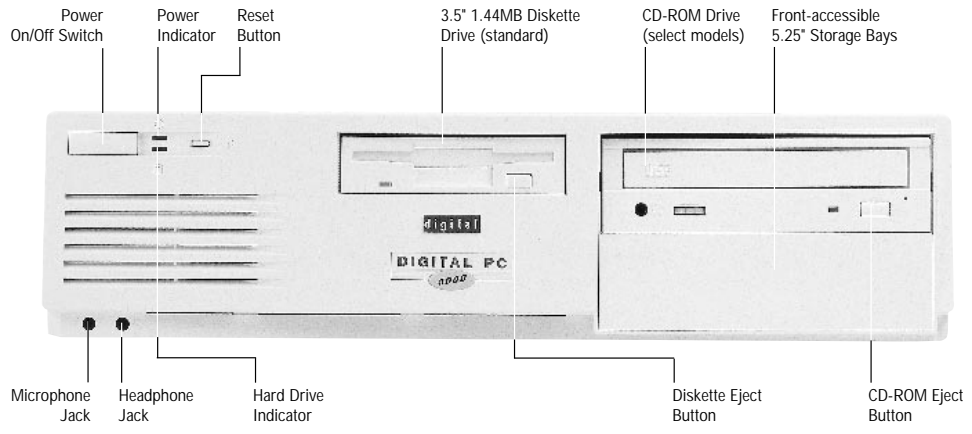
**Mice**

Logitech PS/2-style, two-button mouse .....	FR-PCXLN-AB
Logitech PS/2-style, three-button mouse .....	FR-PCXLN-AD

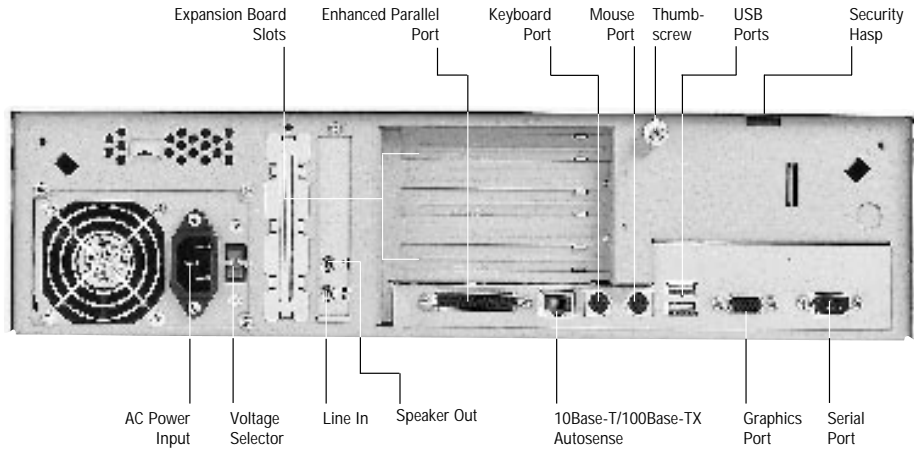
**Modem**

56Kbps internal data/fax modem .....	FR-PCXFA-AA
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## Low-profile Enclosure

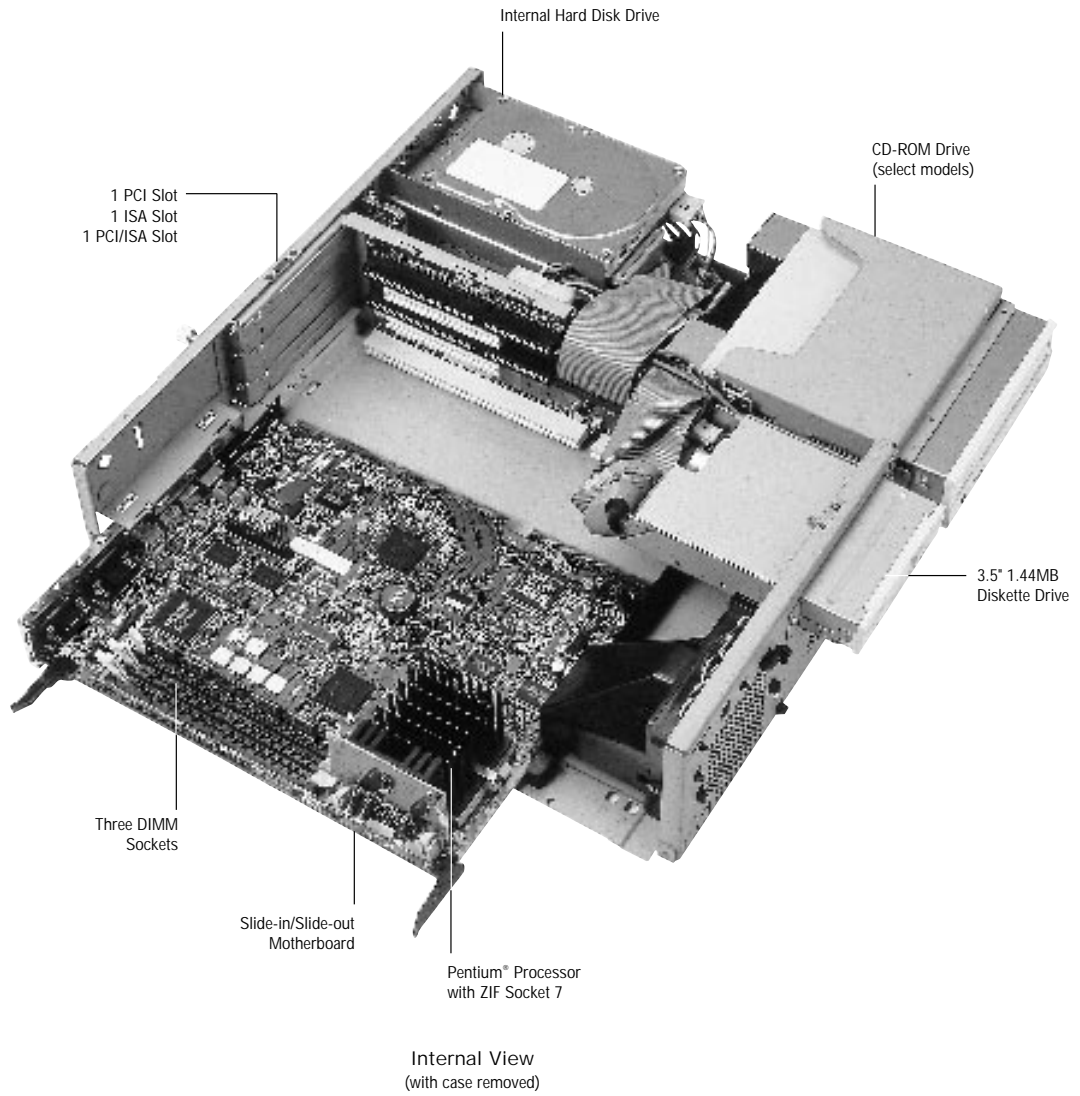


Front View

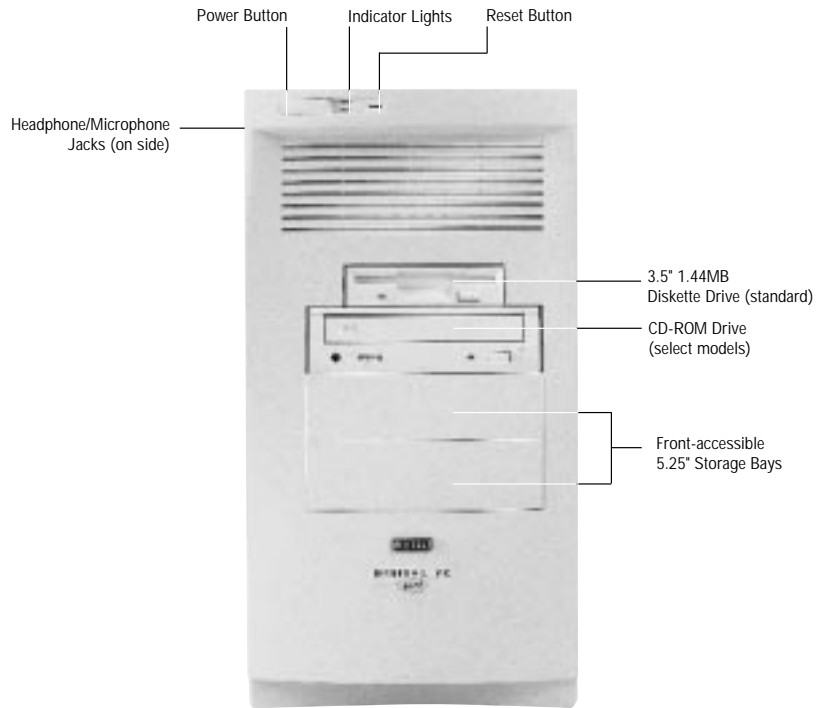


Back View

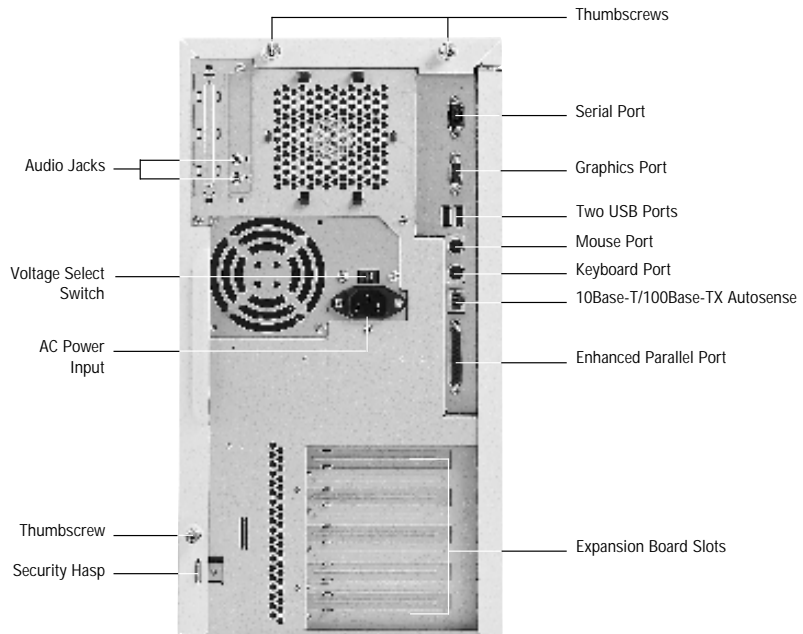
Low-profile Enclosure



Short-tower Enclosure



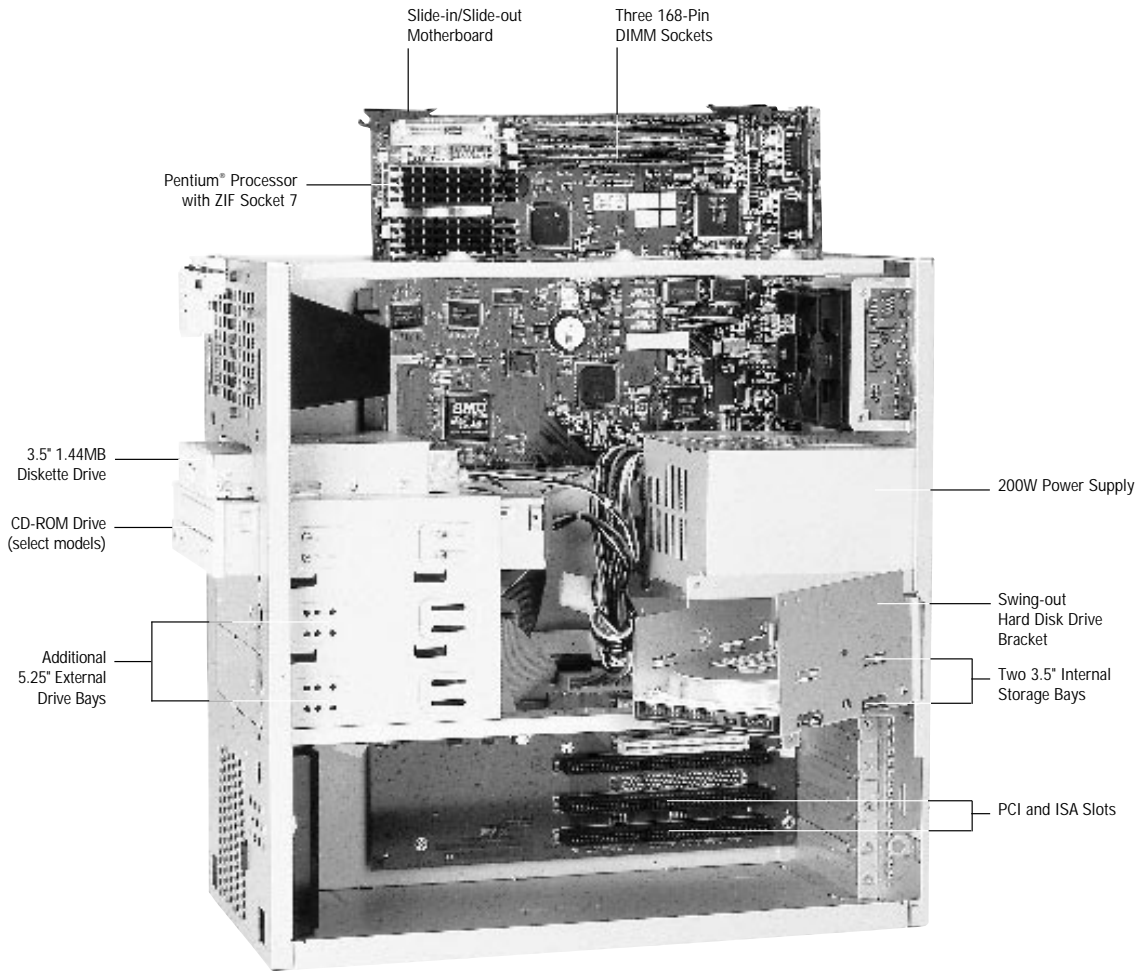
Front View



Back View



Short-tower Enclosure



Internal Side View  
(with motherboard pulled out)

DIGITAL™ PC 5100  
Memory Configurations

Total Memory	Socket J7 Dual-Bank	Socket J6 Dual-Bank	Socket J5 Single-Bank
16MB	16MB		
32MB	16MB	16MB	
32MB	32MB		
48MB	16MB	16MB	16MB
48MB	16MB	32MB	
48MB	32MB	16MB	
64MB	16MB	32MB	16MB
64MB	32MB	16MB	16MB
64MB	32MB	32MB	
64MB	64MB		
80MB	16MB	64MB	
80MB	32MB	32MB	16MB
80MB	64MB	16MB	
96MB	32MB	64MB	
96MB	64MB	32MB	
128MB	64MB	64MB	
128MB	128MB		
144MB	16MB	128MB	
144MB	128MB	16MB	
160MB	32MB	128MB	
160MB	128MB	32MB	
192MB	64MB	128MB	
192MB	128MB	64MB	
256MB	128MB	128MB	

*Notes:*

1. Base models include 16MB or 32MB DIMM standard.
2. Install 168-pin DIMMs using 66MHz (or faster) 64-bit SDRAMs.  
(Note: Install DIMMs supplied by Digital Equipment Corporation and qualified vendors. DIGITAL does not support system performance, product warranty, or service calls resulting from installation of non-qualified DIMMs.)
3. Single-bank DIMMs are available in 16MB and 64MB modules. Single-bank DIMMs have memory chips on only one side of the memory module.
4. Dual-bank DIMMs are available in 32MB and 128MB (based on industry availability) modules. Dual-bank DIMMs have memory chips on both sides of the memory module.
5. Memory Sockets J7 and J6 support both single- and dual-bank DIMMs.  
Memory Socket J5 supports only single-bank DIMMs.