



## PCC 2000 Desktop Computer System



The PCC 2000 is a business computer system totally contained in one unit, which includes the central processor, keyboard, memory and video display screen. A printer is optionally available. Developed and marketed by Pertec Computer Corporation for business applications, its attractive, light gray cabinet fits on top of conventional desks and complements the office environment. The PCC 2000 requires no special air conditioning or power outlets. It runs quietly and reliably, providing years of dependable service. Several software options are available to fulfill customer requirements.

### Features

- 8085 CPU
- 64k bytes Random Access Memory
- Four channel DMA
- Vectored interrupt handling
- 1.2 megabytes of floppy disk storage
- Built-in CRT
- Detached, typewriter-like keyboard
- Five programmable function keys
- Multi-terminal BASIC operating system (up to five simultaneous users)
- Powerful Disk BASIC operating system
- CP/M®, COBOL-80™, FORTRAN-80™ and utilities

## SYSTEM SPECIFICATIONS

### Central Processing Unit (CPU)

8085 Microprocessor  
3 MHz clock frequency  
1.3 microseconds minimum instruction cycle time  
6.0 microseconds maximum instruction cycle time

### Random Access Memory (RAM)

65,536 bytes directly addressable  
500 nanosecond memory access cycle time

### Direct Memory Access (DMA)

LSI DMA controller  
4 access channels  
655,000 bytes per second transfer rate

### Vectored Interrupt Handling

11 levels of interrupts (8 calls plus 3 restarts)  
LSI interrupt controller  
4 operating modes

### Interval Timer

1 millisecond or 10 millisecond intervals

### PROM Monitor/Loader

2k bytes, deselectable  
Turnkey monitor includes self-test diagnostics

### Serial I/O Port

RS-232 protocol  
Selectable baud rates

### Mass Storage

Two PCC FD514 Flexible Disk Drives  
1.2 megabyte total capacity  
Soft sectored, IBM double-density format  
Data transferred via DMA under interrupt control  
488 milliseconds average access time

### Video Display

CRT: 304.8 mm (12 inches)  
24 lines of 80 characters  
7 x 9 dot matrix with 3 dot descenders  
Upper case, lower case, and special forms characters  
Display attributes: dual intensity, reverse video, underline, blink

### Keyboard

Detached  
ANSI standard typewriter layout  
Separate numeric entry pad with return, decimal and comma keys  
Separate cursor control pad  
High speed n-key rollover  
Five programmable function keys  
Multiple user support — up to five simultaneous users with optional Communications Interface Board, Model 4280

### Printer Interface

Centronics and NEC-type interfaces included

### Bus Structure

P-100 bus  
100 pin construction  
Low resistance, high capacitance power lines  
Ground interlaced  
Fully terminated

### Motherboard

12 slots, 5 dedicated

### Size

Mainframe  
*Width:* 654 mm (25.75 inches)  
*Depth:* 406 mm (16 inches)  
*Height:* 578 mm (22.75 inches)

### Keyboard

*Width:* 572 mm (22.5 inches)  
*Depth:* 209 mm (8.25 inches)  
*Height:* 830 mm (3.25 inches)

### Weight

49.9 kg (110 pounds)

### Power Requirements

117v ac  $\pm 10\%$  60 Hz, 3 amps or  
230v ac  $\pm 10\%$  50 Hz, 1.5 amps

### Software

Multi-terminal BASIC operating system  
Disk Extended BASIC operating system  
Special features for business programming, including string operators and PRINT USING command  
ISAM utility with 16 character keys  
Sequential and Random files  
System test diagnostics  
CP/M, COBOL-80, FORTRAN-80 and utilities



**PERTEC**

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