T1000
(No longer manufactured)

General Information

Model number:	PA7027U (FCC ID# CJ69XAE250)
Dimensions:	12.2"W x 2.05"H x 11.0"D
Weight:	6.4 lbs.
Voltage:	Computer DC input - 9VDC 1.1A (+ = core; - = shell)
	AC adapter - 120VAC (108 - 132V), 60Hz, 15W
Battery:	Rechargeable internal NiCD battery pack (1300 mAh)
CPU:	80C88, 4.77 MHz
RAM memory:	512KB standard (conventional)
	Memory expandable to 1.2MB when optional 768KB LIM-EMS 3.2/HardRAM card added
Video RAM:	16KB
Number of keys:	82
Keyboard type:	Selectable between PC or 101-key keyboard compatible
Drives:	One 720KB 3.5" floppy disk drive
Operating system included:	Toshiba MS-DOS 2.11 in 256K ROM

Software Compatibility

Compatible with software written for the IBM PC/XT using a color graphics adapter (CGA) display

Interfaces

RGB (CGA) color video port
Composite b&w monochrome video port
RS-232-C serial port
Parallel printer port
Numeric keypad port
External diskette drive port
Toshiba proprietary memory slot
Toshiba proprietary modem slot - "B" form factor

Reflective Supertwist LCD Display

Display area:	9.6" W x 3"H; 10" diagonal
Resolution:	640W x 200H
Viewing angle:	-15 to 40 degrees
Contrast:	3.5 : 1
Aspect ratio:	1 : 1

Battery Life (Time until low battery LED)

Tests w/ 10% FDD access, temperature 25 degrees C

SYSTEM	FDD	MODEM	768K CARD	Running Time
On	Off	NI	NI	5 Hours
On	Off	NI	I	4 Hours
On	On	Off	NI	3.6 Hours
On	On	Off	I	3.4 Hours
On	On	On	NI	2.6 Hours
On	On	On	I	2.4 Hours

"I" means installed
"NI" means not Installed

T1000 (continued)
Switches

1) Character font
Fn + Right arrow   Toggles display font

2) Display select
Fn + End   External display
Fn + Home   LCD display

3) Keypad overlay
Fn + NumLock   Toggles keypad overlay

4) Fn key
Fn + F1   F11
Fn + F2   F12
Fn + Ctrl   Simulate IBM enhanced keyboard Right Ctrl
Fn + Alt   Simulate IBM enhanced keyboard Right Alt
Fn + Enter   Simulate IBM enhanced keyboard numeric keypad Enter

Hardware Switches and Controls

1) Power on/off
Located on back of computer

2) LCD contrast dial
Located on left side of computer

3) External FDD A/B Switch
Located on left side of computer
With switch set to "A", External FDD is accessed as drive A; Internal 3.5" FDD as drive B.
With switch set to "B", External FDD is accessed as drive B; Internal 3.5" FDD as drive A.
Computer must be re-booted for switch change to take effect.

Environmental Specifications

1) Operating condition
Ambient temperature: 41 to 95 degrees F.   5 to 35 degrees C.
Relative Humidity: 20% to 80% non-condensing

2) Non-Operating condition
Ambient temperature: -4 to 131 degrees F.   -20 to 55 degrees C.
Relative Humidity: 5% to 95% non-condensing

3) Acclimation
Needs no more than 60 min. warm up

Options and Extra Accessories
PC-PA7225U	5.25" 360KB external FDD with 18VDC adapter
PC-PA7354E	17-key numeric keypad
PC-PA7367E	Floppy Link to 5.25" desktop diskette drive (no longer manufactured)
PC-PA8701U	9VDC Universal AC adapter (replaces PC-PA7482U)
PC-PA7482U	9VDC AC adapter (no longer manufactured)
PC-PA7483U	9VDC automobile power adapter (no longer manufactured)
PC-PA801L	Statpower Prowatt 125 auto adapter
PC4-PA7134U	768KB LIM-EMS (3.2) memory/HardRAM card (no longer manufactured)
PC4-PA7437E	300/1200 bps Hayes compatible built-in modem (no longer manufactured)
PC4-T24B	2400 bps Hayes compatible built-in modem (no longer manufactured)
PC4-PA7592E	Fabric carrying case (no longer manufactured)
PC15-PA8020U	Fabric carrying case (no longer manufactured)
PR-PA2750U	ExpressWriter 201 portable printer (no longer manufactured)
PC-SW008	Toshiba MS-DOS 3.30 (no longer manufactured)
PC-SW007	Toshiba MS-DOS 4.01 (no longer manufactured)
PC-SW004	Toshiba BASIC 3.30 (no longer manufactured)

T1000 (continued)
System Memory Map

Start Address Decimal	Hex	Space (Kilobytes)	Used For:
0	00000		

64K	10000		
128K	20000		
192K	30000		
256K	40000	512	System Working
320K	50000		Memory
384K	60000		
448K	70000		
512K	80000	128	Expanded Memory
576K	90000		Specification
640K	A0000	64	DOS ROM
704K	B0000	32	(Reserved)
736K	B8000	16	Video RAM
752K	BC000	32	(Reserved)
768K	C0000		
784K	C4000		Expanded Memory
832K	D0000	176	Specification
896K	E0000		
960K	F0000	32	(Reserved)
992K	F8000	32	System (BIOS) ROM

Interrupts

Level	Assigned To:	Level	Assigned To:
NMI	None	4	Primary Communications
0	Timer	5	(Reserved)
1	Keyboard	6	FDD
2	(Reserved)	7	Parallel Printer
3	Secondary Communications		

I/O Port Assignment

Port Address

From / To	Device / Function
'000' / '01F'	82C37 : DMAC Device
'020' / '03F'	82C59 : PIC Device
'040' / '05F'	82C53 : PIT Device
'060' / '07F'	82C55 : PPI Port
'080' / '09F'	DMA Page Register
'0A0' / '0BF'	NMI Mask Register
'0C0' / '0CF'	DOS ROM Register
'0D0' / '0EF'	Special Register
'208' / '20F'	Expanded Memory Unit I/O - 1
'218' / '21F'	Expanded Memory Unit I/O - 2
'258' / '25F'	Expanded Memory Unit I/O - 3
'268' / '26F'	Expanded Memory Unit I/O - 4
'2A8' / '2AF'	Expanded Memory Unit I/O - 5
'2B8' / '2BF'	Expanded Memory Unit I/O - 6
'2C0' / '2DF'	Real Time Clock
'2E8' / '2EF'	Expanded Memory Unit I/O - 7
'2F8' / '2FF'	Secondary Communications (COM2)
'378' / '37F'	Parallel Printer
'380' / '3AF'	Binary Synchronous Communications
'3D0' / '3DF'	Display
'3F0' / '3F7'	Floppy Disk Controller
'3F8' / '3FF'	Primary communications (COM1)