

T1000XE

(No longer manufactured)

General Information

Model number: PA8005U (FCC ID# CJ6UK603)
Dimensions: 12.2"W x 10.6"D x 1.78"H
Weight: 6.2 lbs including battery pack
Voltage: Computer DC input - 12 VDC, 1.7 A (+=core; - = shell)
Universal AC adapter - 100-240 VAC, 50-60Hz
Battery: Removable rechargeable NiCD battery pack
CPU: 80C86 (9.54/4.77 MHz)
RAM memory: 1MB standard (640KB conventional; 384KB LIM-EMS 3.2)
Memory expandable up to 3MB via one credit card style memory slot when optional 1MB or 2MB card is added
Video RAM: 32KB
Number of keys: 82
Keyboard type: 101-key keyboard compatible
Drives: One 20MB hard disk drive
Standard features: AutoResume
Double Scan CGA
Auto display and hard drive shutdown
Intelligent power supply with "Gas Gauge"
Operating System included: Toshiba MS-DOS 3.30 in 512K ROM

Software Compatibility

Compatible with software written for the IBM PC/XT using CGA or T3100/AT&T 6300 640 x 400 high resolution graphics mode

Interfaces

RS-232-C serial port
Parallel printer/external diskette drive port
Built-in modem slot - "D" form factor
100 pin expansion interface connector
Toshiba proprietary external 1.44MB 3.5" FDD connector
Credit card style memory slot

Electroluminescent Backlit Supertwist LCD Display

Display area: 7.75"W x 4.88"H; 9" diagonal
Resolution: 640 x 400
Contrast: 4 : 1

2.5" 20MB Hard Disk Drive

Conner Peripherals HDD: CP2024
Interface: IDE
Access Time (average): 25ms
Recording Method: 2-7 RLL

or

JVC HDD: JD-E2825POT1
Interface: IDE
Average access Time: 25ms
Recording Method: 2-7 RLL

T1000XE (continued)

Soft Switches

1) Change CPU speed

Fn + PgUp 9.54MHz CPU speed
Fn + PgDn 4.77MHz CPU speed

2) Character font

Fn + Right Arrow Toggles display font

3) Pop-up window

Fn + Esc Toggles pop-up window

4) Keypad overlay

Fn + F10 Toggles keypad overlay

5) Fn key

Fn + F11 Activates Num Lock
Fn + F12 Activates Scroll Lock
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 left side of computer

2) Reset

Located on left side of computer

3) LCD brightness and contrast dials

Located on left side of computer

Environmental Specifications

1) Operating condition

Ambient temperature: 41 to 95 degrees F. 5 to 35 degrees C.
Relative Humidity: 0% to 80% non-condensing
Altitude (from sea level): -61 to 3048 meters (-200 to 10,000 ft.)

2) Non-Operating condition

Ambient temperature: -4 to 140 degrees F. -20 to 60 degrees C.
Relative Humidity: 8% to 80% non-condensing
Altitude (from sea level): 40,000 ft. (12,192 meters) max.

3) Wet bulb temperature condition

Ambient temperature: 79 degrees F. (26 degrees C.) maximum

T1000XE (continued)

Options and Extra Accessories

PC-PA8311U 1MB memory card (no longer manufactured)
PC-PA8312U 2MB memory card (no longer manufactured)

PC-T24D	2400 bps Hayes compatible dedicated built-in modem (Bell or CCITT) (no longer manufactured)
PC-T24D/F	2400bps data/9600bps send/receive FAX built-in modem
PC-T144D/F	14400 bps send/receive FAX built-in modem (no longer manufactured)
PC-T24D/X or PC-T24D/X2	2400 bps Hayes compatible dedicated built-in modem w/enhanced protocol (MNP5, V.42 bis) (both no longer manufactured)
PC-TCL24A	Audiovox Axsys cellular connection for use with T24D/X modem (no longer manufactured)
PC-TCL24M	Motorola Axsys cellular connection for use with T24D/X modem (no longer manufactured)
PC-TCL24N	NEC Axsys cellular connection for use with T24D/X modem (no longer manufactured)
PC-TCL24U	Uniden Axsys cellular connection for use with T24D/X modem (no longer manufactured)
PC-PA7225U	5.25" 360KB external FDD with 18VDC adapter
PC16-PA8380U	3.5" 1.44 MB external FDD
PC-PA8712URA	Battery pack - 1700mAh
PC-PA8704U	Battery pack recharger with AC adapter (no longer manufactured)
PC-PA8717U	12VDC automobile adapter (no longer manufactured)
PC-PA801L	Statpower Prowatt 125 auto adapter
PC-PA8706U	12VDC Universal AC adapter
PC-PA8600U	Desk Station II (no longer manufactured)
PC-PA872L	Fabric carrying case (no longer manufactured)
PC13-PA873L	Fabric carrying case (no longer manufactured)
PC-PA1000L	Leather carrying case (no longer manufactured)
PC-PA1050L	Leather attache case
PC13-PA874L	Executive leather portfolio (no longer manufactured)
PR-PA2750U	ExpressWriter 201 portable printer (no longer manufactured)
PC-SW004	Toshiba BASIC 3.30 (no longer manufactured)
PC-SW008	Toshiba MS-DOS 3.30 (no longer manufactured)
PC-SW007	Toshiba MS-DOS 4.01 (no longer manufactured)
PC-SW015	Toshiba MS-DOS 5.0 (no longer manufactured)

System Memory Map

<u>Address range</u>	<u>Space (Kilobytes)</u>	<u>Used For:</u>
'0000' - '9FFFF'	640	System working memory
'A0000' - 'B7FFF'	96	(Not Used)
'B8000' - 'BFFFF'	32	Video RAM (CGA)
'C0000' - 'CFFFF'	64	Space for I/Os on I/O expansion slot
'D0000' - 'DFFFF'	64	EMS window
'E0000' - 'EFFFF'	64	DOS ROM
'F0000' - 'F3FFF'	16	Back-Up RAM
'F4000' - 'FFFFFF'	48	System (BIOS) ROM

T1000XE (continued)

<u>Level</u>	<u>Assigned To:</u>
NMI	I/O channel error; Time out power off; System power off request; FDD ready
0	Timer
1	Keyboard
2	(Not used)

3	Secondary Communications (COM2)
4	Primary Communications (COM1)
5	HDD
6	FDD
7	Parallel Printer

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'	Programmable I/O Ports
'080' / '09F'	DMA Page Register
'0A0' / '0BF'	NMI Mask Register
'0E0' / '0F7'	System Controller Ports
'1F0' / '1FF'	HDC
'208' / '2BF'	Expanded Memory
'2C0' / '2DF'	Real Time Clock
'2E8' / '2EF'	Expanded Memory
'2F8' / '2FF'	Secondary Communications (COM2)
'378' / '37F'	Parallel Printer
'3D0' / '3DF'	Display
'3F0' / '3F7'	FDC, HDC
'3F8' / '3FF'	Primary communications (COM1)