

T4850CT

General Information

Model number: T4850CT TFT Color display 500MB PA1172U-T2A (FCC ID# CJ6UK454)  
T4850CT TFT Color display 772MB PA1174U-T2A (FCC ID# CJ6UK454)

Dimensions: T4850CT - 11.7"W x 8.3"D x 2.2"H  
Weight: 6.9lbs. with battery pack (battery: 1.3 lbs.)  
Voltage: Computer DC input: 18VDC, 1.7A  
Universal AC adapter: 100-240 VAC 50-60 Hz  
1.0"H x 2.95"W x 5.5"D, 1.0 lbs.

Batteries: Removable rechargeable NiMH battery pack (12V 2600mAh)  
2 + hrs. battery life per charge; recharges in 2 hrs. off/  
3 hrs. on  
Internal NiMH backup battery for memory backup, vanadium lithium RTC battery for real time clock

CPU: 3.3V SL enhanced i486TM DX4 75MHz (16KB internal cache;  
integrated math coprocessor)

RAM memory: 8MB standard, 3.3 volt operation (640KB conventional memory plus 7.360MB which can be configured as RAM disk,  
expanded (LIM/EMS 4.0), and/or extended memory, plus 192KB shadow ROM Memory expandable up to 40MB (80ns, 32bit) using 4, 8, or 16MB user installable credit card  
style memory

Video: 1MB video RAM  
Local-bus video and graphics accelerator with BitBLT (WD90C24A2 3.3V)

Number of keys: 82  
Keyboard type: 101-key keyboard compatible. Full-function 82 key sculptured keyboard with 12 dedicated function keys  
and  
8 dedicated cursor control keys. Arrow keys arranged in  
an inverted "T" pattern.

Numeric keypad: Integrated overlay

Drives: One 1.44MB 3.5" floppy disk drive; one 772MB (810 million byte) hard disk drive

Standard features: MaxTimeTM power management capabilities including:  
AutoResume safety data protection  
Resume electronic bookmark  
MaxTime(R) display style setup  
Selectable processing speeds  
Critical battery alarm setup  
Alarm power on setup  
CPU sleep mode  
Automatic display and hard drive power down  
Low battery warning and audible alarm  
System auto off  
LCD brightness  
Battery save mode

Speaker volume  
Software sounds  
Panel power  
Auto on timer  
Sound card power  
Panel close alarm  
Digital battery gauge

HWSetup™ System Configuration including:

Memory information  
Pointing device setup  
HDD size and enabling  
PCMCIA slot/Serial port/Parallel port setup  
Display setup  
CPU cache enable  
Hotkey  
Boot Priority  
Sound system address  
Ext. keyboard Fn key configuration

APM integrated in system BIOS

QuickRead status icons

VESA(R) in BIOS

Stretch in BIOS

System control hotkeys including instant hotkey  
screen blank

BIOS in Flash ROM

Password protection

Shadow BIOS ROM

System reset button

3 year U.S. and International warranty

(One year warranty on battery)

Product Support

Meets standards for EPA Energy Star Computer Program

Preinstalled software: MS-DOS(R) 6.21 operating system  
w/Enhancements

Windows For Workgroups 3.11

Windows Sound System 2.1

Run Time Video for Windows 1.1

Indeo™ Video 3.2

MaxTime(TM)

Fn-esse

PCMCIA Socket/Card Services

QuickPort(TM) drivers

Hypertext on-line documentation (disk resident)

includes T4850CT reference manual

Pointing device: BallPoint(R) mouse version 2.0 with cordless  
QuickPort™ connection

Software Compatibility:

Compatible with software written for the IBM(R) PC/XT/AT using VGA(R),  
EGA,

or CGA resolution graphics modes.

IBM(R) super video graphics array (SVGA) compatible display system.

Microsoft Windows Sound System (wave and Midi audio) compatible.

Interfaces

SVGA color video port (supports 640 x 480, 64K colors internal or

external;

800 x 600, 16 colors; 800 x 600, 256 colors; 1024 x 768, 16C 1024 x 768,

256 colors external, internally 640x 480 moveable window at higher resolution)

PCMCIA 2.01 compliant slot (10.5mm) supports type I, II, or III cards

PCMCIA 2.01 compliant type I or II slot (5mm)

9-pin RS-232-C serial port

Parallel FDD/printer

150 pin expansion bus connector for optional Desk Station IV docking station

PS/2 101-key keyboard port

PS/2 mouse port (not usable if DCBM connected)

Credit card style memory slot

Kensington(R) cable lock slot

QuickPort™ connection for BallPoint(R) mouse (DCBM)

Audio-out headphone or external speaker jack stereo

Input jack for external microphone stereo

#### Audio System

16 bit sound

.WAV and MIDI audio compatibility

Built-in speaker and microphone

Headphone or external speaker jack

Microphone jack

Chipsets: Analog Devices AD1848KP & Yamaha OPL3

#### Color TFT-LCD Active Matrix Display

Display area: 8.3"W x 6.2"H; 10.4" diagonal

Resolution: 640 x 480

Dot pitch: .33mm(W) x .33mm(H)

Aspect ratio: 1 : 1

Contrast: 100 : 1 typ, 60 : 1 min

Colors: up to 64K colors out of palette of 226K

Simultaneous display to external monitor

#### 2.5" 500MB (512 Million Byte) Hard Disk Drive

Toshiba HDD: MK2428FC

Interface: IDE

Average access time: 12ms

Recording method: RLL 1-7

#### 2.5" 772MB (810 Million Byte) Hard Disk Drive

IBM HDD: DVAA 2810

Interface: IDE

Average access time: 15ms

Recording method: RLL 1-7

#### Hardware Switches and Controls

1) Power on/off

Located on left side of computer

2) Reset

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: 20% to 80% non-condensing  
Altitude (from sea level): -60 to 3,000 meters

### 2) Non-Operating condition

Ambient temperature: -4 to 149 degrees F.  
-20 to 65 degrees C.  
Relative humidity: 10% to 90% non-condensing  
Altitude (from sea level): 30,000 ft.

### 3) Wet bulb temperature condition

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

## HotKeys used with Fn key

Fn + F1 Instant security ON/OFF  
Fn + F2 Power save mode  
Fn + F3 AutoResume Enable/Disable  
Fn + F4 Speaker volume adjustment - off, high,  
medium, low - press key repeatedly to set level  
Fn + F5 internal/Simultaneous/External displays -  
press key repeatedly to set choice  
Fn + F10 Arrow (cursor control on numeric keypad overlay)  
Fn + F11 Numeric keypad overlay  
Fn + F12 Scroll Lock  
Fn + Up/Down arrow Brightness adjustment  
Fn + Alt Simulate IBM(R) enhanced keyboard Right ALT  
Fn + Ctrl Simulate IBM(R) enhanced keyboard Right CTRL  
Fn + Enter Simulate IBM(R) enhanced keyboard numeric keypad  
enter

## Options and Extra Accessories

PC-PA2012U 4MB 3.3V memory card  
PC-PA2013U 8MB 3.3V memory card  
NW2014U 16MB memory card  
NW2015U 32MB 3.3V memory card  
T24NW Noteworthy(TM) PCMCIA Type II 2400/9600bps data/fax  
modem (no longer manufactured)  
T144NWX Noteworthy(TM) 14,400 bps data/fax modem, PCMCIA  
Type II (no longer manufactured)  
PC-T144PF4 14mm 14,400 bps data/fax modem (dual RJ-11), PCMCIA  
compliant (no longer manufactured)  
NW144CR Noteworthy(TM) 14,400 bps Cellular-Ready data/fax  
modem, PCMCIA Type II  
NWTR01X Noteworthy(TM) PCMCIA type II Token Ring card  
NWETH01X Noteworthy(TM) 10BaseT PCMCIA type II Ethernet card  
NWETH02X Noteworthy(TM) 10Base2 PCMCIA type II Ethernet card  
NW3270 Noteworthy(TM) PCMCIA type II 3270 emulation card  
SW3270 IBM(R) PC/3270 software for NW3270 card  
NWHD105M3 Noteworthy(TM) 105MB Hard disk drive, PCMCIA Type

III

NWHD262M3	Noteworthy(TM) PCMCIA Type III 262MB hard disk drive
PA28064	Cryptcard PCMCIA Type II (DES) data encryption card
PA2429URA	Battery pack, NiMH (2600mAh)
PC-PA2422U	Battery pack recharger
PC-PA2431U	Universal AC adapter
PC-PA801L	Statpower auto adapter (requires universal AC adapter)
PC-PA2113	Toshiba 150 pin SCSI adapter (no longer manufactured)
PC-PA3350L	Kensington(R) security cable lock
PC-PA2701U	Deskstation IV
PC-PA180B	PC pack carrying case (blue)
NWCCDFB	Universal fabric carrying case
NWCCAFB	Twin fabric carrying case
NWCCALB	Twin Executive leather carrying case, black
NWCCBLB	Leather expanded size carrying case
PC-PA877LX	Fabric carrying case (no longer manufactured)
PC-PA1050L	Leather attach, case
PA2209US	External PS/2 keyboard
PA2805U	BallPoint(R) mouse V2.0 with Quickport connection
NW500L	Noteworthy(TM) NewsCard(TM) wireless receiver,
PCMCIA Type II	
NW621P	17-key numeric keypad with pass through parallel interface
NW623S	17-key numeric keypad with serial interface
NWSCSI01	Noteworthy(TM) SCSI-II adapter, PCMCIA Type I
NWMOTO	Cellular direct connect cable kit (Motorola)
NWNOKI	Cellular direct connect cable kit (Nokia)