

T4700CS, T4700CT

General Information

Model number: T4700CS Dynamic STN Color display 200MB - PA1156U-S2A (FCC ID# CJ6UK454)  
T4700CS Dynamic STN Color display 320MB - PA1157U-S2A (FCC ID# CJ6UK454)  
T4700CT TFT Color display 200MB - PA1158U-T2A (FCC ID# CJ6UK454)  
T4700CT TFT Color display 320MB - PA1159U-T2A (FCC ID# CJ6UK454)

Dimensions: T4700CS - 11.7"X x 8.3"D x 2.0"H  
T4700CT - 11.7"W x 8.3"D x 2.2"H

Weight: 6.9lbs. with battery pack

Voltage: Computer DC input - 18VDC, 1.7A  
Universal AC adapter - 100-240 VAC 50-60 Hz

Batteries: Removable rechargeable NiMH battery pack  
2+ hrs. battery life per charge; recharges in 1.5 hrs. off/3 hrs. on  
Internal NiMH backup battery for memory backup, vanadium lithium RTC battery for real time clock

CPU: SL enhanced i486TM DX2 50mhz (8KB 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 128KB shadow ROM Memory expandable up to 24MB using 4, 8, or 16MB user installable credit card style memory

Video: 1MB video RAM  
Local-bus video and graphics accelerator with BitBLT, WD90C24A

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.

Drives: One 1.44MB 3.5" floppy disk drive; one 200MB or 320MB hard disk drive

Standard features: MaxTime™ power management capabilities including:

- AutoResume safety data protection
- Resume electronic bookmark
- Selectable processing speeds
- 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
- Card modem power
- Auto on timer
- Sound card power

Panel close alarm  
Digital battery gauge  
HWSetup™ System Configuration including:  
Memory information  
HDD size and enabling  
PCMCIA slot/Serial port/Parallel port setup  
Display setup  
CPU cache enable  
Hotkey enable  
Boot Priority  
Sound system address  
Ext. keyboard Fn key configuration  
APM integrated in system BIOS  
QuickRead status icons  
System control hotkeys including instant hotkey  
screen blank  
BIOS in Flash ROM  
Multi-level 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  
Windows for Workgroups 3.11  
Microsoft Sound System  
Toshiba Card Manager 3.0  
Indeo™ 3.0  
Ultrafont  
QuickPort(TM) drivers  
Hypertext on-line documentation (disk resident)  
includes T4700CT/T4700CS reference  
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 audio) compatible.

#### Interfaces

SVGA color video port (supports 640 x 480, 256 colors  
internal or external; 800 x 600, 16 colors; 800 x 600,  
256 colors; 1024 x 768, 256 colors external)  
PCMCIA 2.01 compliant slot (16mm) supports type 1, II, or III cards  
PCMCIA 2.01 compliant type II slot (5mm)  
RS-232-C serial port  
Parallel printer/external diskette drive port  
150 pin expansion bus connector for optional Desk Station  
IV docking station or optional SCSI adapter  
PS/2 keyboard port  
PS/2 mouse port  
Credit card style memory slot

Kensington(R) cable lock slot  
QuickPort™ connection for BallPoint(R) mouse  
Audio-out headphone or external speaker jack  
Input jack for external microphone

#### Audio System

16 bit sound  
Wave audio compatibility  
Built-in stereo speaker and microphone  
Headphone or external speaker jack  
Microphone jack

#### Fluorescent Sidelit Color Dynamic-STN Dual-Scan LCD Display (T4700CS)

Display area: 7.6"W x 5.7"H; 9.5" diagonal  
Resolution: 640 x 480  
Dot pitch: 27mm(W) x .27mm(H)  
Aspect ratio: 1: 1  
Contrast: 18 : 1  
Colors: 256 colors out of a palette of 262,144 in 640 x 480

mode

Simultaneous display to external monitor on video modes up to 640 x 480, 256 colors

#### Color TFT-LCD Active Matrix Display (T4700CT)

Display area: 7.6"W x 5.7"H; 9.5" diagonal  
Resolution: 640 x 480  
Dot pitch: .30mm(W) x .30mm(H)  
Aspect ratio: 1 : 1  
Contrast: 100 : 1  
Colors: 256 colors out of a palette of 262,144 in 640 x 480

mode

Simultaneous display to external monitor on video modes up to 640 x 480, 256 colors

#### 2.5" 200MB Hard Disk Drive

Toshiba HDD: MK-2224FC  
Interface: IDE  
Average access time: 12ms  
Recording method: RLL 1-7

#### 2.5" 320MB Hard Disk Drive

Toshiba HDD: MK-2326FC  
Interface: IDE  
Average access time: 12ms  
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
PC-PA2014U	16MB 3.3V memory card (no longer manufactured)
NW2014U	16MB memory card
T24NW	Noteworthy(TM) PCMCIA Type II 2400/9600bps data/fax modem (no longer manufactured)
T144NW	Noteworthy(TM) PCMCIA Type II 14400bps data/fax modem (no longer manufactured)
T144NWX	Noteworthy(TM) 5mm PCMCIA, type II 14400bps data/fax modem (no longer manufactured)
PC-T144PF4	14mm PCMCIA 2.01 compliant 14400bps data/fax modem (dual RJ-11)  (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) PCMCIA Type III 105MB Hard disk drive

NWHD262M3	Noteworthy(TM) PCMCIA Type III 262MB hard disk drive
PA28064	Cryptcard (DES) PCMCIA Type II data encryption card
PA2429URA	Battery pack, NiMH (2600mAh)
PC-PA2422U	Battery pack recharger
PC-PA2478U	Universal AC adapter
PC-PA801L	Statpower Prowatt 125 auto 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)
NWCCAFB	Twin fabric carrying case
NWCCALB	Twin leather carrying case
NWCCDFB	Universal fabric carrying case
PC-PA877LX	Fabric carrying case (no longer manufactured)
NWCCBLB	Leather expanded size carrying case
PC-PA1050L	Leather attach, case
PA2209US	External PS/2 keyboard
PA2805U	BallPoint(R) mouse V2.0 with Quickport connection
NWSCSI01	Noteworthy(TM) SCSI-II adapter, PCMCIA Type I
NW500L	Noteworthy(TM) NewsCard(TM) wireless receiver, PCMCIA
Type II	
NW623S	17-key numeric keypad with serial interface
NW621P	17-key numeric keypad with pass through parallel
interface	
NWMOTO	Cellular direct connect cable kit (Motorola)
NWNOKI	Cellular direct connect cable kit (Nokia)