

# TOSHIBA

## Portégé 3110CT

UPC Code: 032017037472 (Win 98),  
032017037458 (Win NT 4.0)

### Product Specification

#### Product Highlights:

- Intel® Mobile Pentium II processor, 300MHz
- 6.4 billion byte Ultra DMA 33 HDD
- 10.4" Poly-silicon TFT active matrix display
- 64MB SDRAM, expandable to 128MB
- Spacious Touch-Type-Keyboard
- Integrated V.90/K56flex modem
- Integrated Intel 10/100 Ethernet networking
- Includes high-capacity battery for 3 hours of battery life under full power
- Approximately ¾" thin and 3lbs. light
- Innovative design that defines style – magnesium alloy casing with silver-metallic lid

#### Processor

Intel® Mobile Pentium II processor  
300MHz (1.6V) clock speed  
Integrated co-processor  
32KB internal L1 cache  
Integrated 256KB Level 2 cache  
Data/Address Bus Width: 64-bit/32-bit  
66MHz Front Side Bus

#### Memory

64Mbit Synchronous DRAM, 3.3V, 60ns  
64MB standard, expandable to 128MB  
One internal memory expansion slot available

#### BIOS

APM V1.0; ACPI V1.0; PnP V1.0a; VESA V2.0;  
DPMS; DDC2B; DMI 2.0, PCI BIOS

#### System Architecture

PCI Bus V2.1

#### Hard Disk

6.4 billion byte Ultra DMA 33, 2.5"  
8.45 mm height  
12ms average access time

#### Diskette Drive

Standard 3.5", 1.44MB (external)  
Connects via integrated diskette drive connector

#### CD-ROM

Optional external PORT PC Card CD-ROM

#### Video

Trident Cyber9525  
64-bit Graphics Accelerator  
32-BIT PCI local bus support  
BitBLT hardware  
Integrated 2.5MB Video Memory

#### Video Ports

SVGA via Network I/O Adapter or Mini I/O Adapter

#### Display

Poly-silicon TFT active-matrix color display  
10.4" diagonal, up to 16M colors at 800 x 600  
resolution

#### External Color Support

16M colors:  
800 x 600, 640 x 480 @ 85Hz non-interlaced  
external mode;  
800 x 600 @ 60Hz simultaneous mode  
64K colors:  
1024x768, 800 x 600, 640 x 480 @ 85Hz non-  
interlaced external mode;  
800 x 600 @ 60Hz simultaneous mode  
256 colors:  
1024 x 768, 800 x 600, 640 x 480 @ 85Hz non-  
interlaced external mode;  
1280 x 1024 @ 60Hz non-interlaced external  
mode;  
800 x 600 @ 60Hz simultaneous mode

#### Audio

ESS ES1978  
16-bit stereo, .WAV and Sound Blaster® Pro  
compatible, MIDI playback

Built-in speaker and microphone (monaural)  
64-channel wavetable music synthesis  
Line-out port (on **Network I/O Adapter**)  
Headphone and microphone ports  
Manual volume control

#### Communications

Built-in v.90/K56flex modem  
Digital line protection  
RJ-11 port

#### Networking

Built-in 10/100BaseT Ethernet (Intel chipset)  
System Management: Wake-On-LAN and Remote  
Service Boot  
RJ-45 (on Network I/O Adapter)

#### Keyboard

84 keys with 12 function keys  
2mm travel  
Dedicated Windows® keys  
Integrated AccuPoint® pointing device

#### Expansion

One PC Card slot supports one Type II PC Cards;  
32-bit CardBus ready  
Integrated external diskette drive connector  
Fast infrared port (4Mbps, IrDA V1.1 compliant)  
Universal Serial Bus (USB) port  
Universal Serial Bus (USB) port\*\*  
PS/2™ mouse/keyboard port (Y-connector  
supported)\*\*  
ECP parallel port \*\*  
High speed serial port (16550 UART compatible)\*\*  
RJ-45 port\*\*  
SVGA video port\*\*  
Headphone  
Microphone  
Network I/O Adapter module port  
\*\*via standard Network I/O Adapter module

#### Dimensions (LxWxH)

10.1" x 8.6" x 0.8"  
Thickness may vary at certain points on the system

#### Weight

3.1 lbs

#### Power Supply

30W autosensing external AC adapter  
100-240V input voltage  
50-60Hz frequency  
3.9" (L) x 1" (H) x 2.04" (W), 0.46 lbs.

#### Battery

Rechargeable, removable high-capacity Lithium-Ion  
battery (10.8 V, 2,600mAh)  
3 hours battery life under full power mode  
6 hours recharge time (unit off), 12 hours (unit on)  
ACPI V1.0  
Battery life may vary depending on applications, power  
management settings and features utilized. Recharge time varies  
depending on usage. Battery does not charge while computer is  
consuming full power.

#### System Management

DMI 2.0 BIOS support with asset tag capability  
Wired for Management V1.1a enabled, support for  
Wake-On-LAN™, and Remote Service Boot, ACPI  
power management; DMI 2.0 BIOS  
Intel® LANDesk® Client Manager 3.3  
SMS Connect for DMI BIOS integration  
Toshiba Configuration Builder CD - customized  
software image tool to reduce image creation time  
Year 2000 Compliance: NSTL hardware tested

#### Security

Power-on password (2-level password support)  
HDD access password  
Secure Sleep (screen blank)  
Cable lock slot

#### Software

Microsoft® Windows® 98 Pre-install (Dual Linked  
Windows 98/95 Configuration Builder CD) and  
Microsoft Windows NT4.0 Pre-install  
Microsoft Windows NT, Windows 95 and Windows 98  
operating system support via web utilities and drivers  
Portégé 3110CT Online Documentation  
AT&T WorldNet® Services (only on Windows 98  
models)  
Customizable Toshiba/My Yahoo Start Page (only on  
Windows 98 models)

#### Warranty

1 year parts, labor and battery

#### Environmental Specifications

Temperature:  
Operating: 5° to 35° C (41° to 95° F)  
Non-operating: -20° to 65° C (-4° to 149° F)  
Thermal gradient: 15° C per hour maximum  
Relative Humidity:  
Operating: 20% to 80% non-condensing  
Non-operating: 10% to 90% non-condensing  
Altitude (relative to sea level):  
Operating: -60m to 3,000m (-197' to 9,842')  
Non-operating: -60m to 10,000m (-197' to 32,808')  
Shock:  
Operating: 10G (11ms)  
Non-operating: 60G (66ms)  
Vibration:  
Operating: 0.5G  
Non-operating: 1G

#### Part Number

PAP311U-T2W8 Portégé 3110CT (Microsoft®  
Windows® 98 Pre-install with Dual Linked Windows  
98/95 Configuration Builder CD)  
PAP311U-T2N4 Portégé 3110CT (Windows NT 4.0)

#### Accessories

KTT3110-32	32MB SDRAM memory upgrade module
KTT3110-64	64MB SDRAM memory upgrade module
PA2501U	Universal AC adapter
PA2467UR	High capacity battery pack
NW24XCD	PORT-Noteworthy® PC Card CD-ROM
PA2669U	External floppy disk drive
PA2735U	Mini I/O Expander
PA2734U	Port Expander w/Ethernet
PA2466UR	Standard Battery
PA2669U	External Floppy Disk Drive