

TOSHIBA

Portégé 7020CT

Product Specification

Processor

Intel® Mobile Pentium® II processor, 366MHz (1.6V)
Integrated co-processor
32KB internal cache
Integrated (into CPU) 256KB L2 cache
Data/address Bus Width: 64-bit/32-bit
66MHz Front Side Bus

Memory

Type: SO-DIMM Synchronous DRAM, 3.3V, 9ns
Capacity: 64MB standard, expandable to 192MB
One internal memory expansion slot available

BIOS

APM V1.2; ACPI V1.0; PnP V1.0a; VESA V2.0; DPMS;
DDC2B; DMI 2.0, PCI BIOS

System Architecture

PCI Bus V2.1: Intel 440DX system chipset

Hard Disk

6.4 billion byte Ultra DMA33, 2.5"
User-removable
9.5 mm height
13ms average access time
Supports Ultra DMA33, DMA Mode 2, and PIO Mode 4

Diskette Drive

Standard 3.5", 1.44MB (external)
Connects via diskette drive connector
CD-ROM/DVD-ROM
Via optional CD orDVD Network Dock or external PC card CD-ROM
CD Network Dock: 24x max speed
130ms average access time
3,600KB/s maximum data transfer rate
DVD Network Dock: 2x max speed (DVD-ROM)
160ms average access time
2,704KB/s maximum data transfer rate

Video

256-bit NeoMagic™ 2200 Multimedia Graphics Controller
2.5MB Integrated SGRAM Video Memory
PCI local bus with BusMaster (33MHz)

DVD Audio/Video

Built-in hardware MPEG-2 module: Region 1 DVD-Video and DVD decoder with Playback DVD MPEG-2 video and Dolby Digital® AC3 (5.1 channel) audio format

Video Ports

SVGA and Composite Video Out (NTSC/PAL) via optional DVD Network Dock

Display

TFT active matrix color display
13.3" diagonal, up to 16M colors at 1024 x 768 resolution

External Color Support

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

Audio

ESS ES1928 and software-enabled Wavetable synthesis sound, Windows Sound System V2.0, DirectSound, Direct3DSound
16-bit stereo, .WAV and Sound Blaster® Pro compatible, MIDI playback
Full-duplex sound support
Built-in speaker and Microphone (monaural), Headphone and Microphone port
Manual Volume Control

Communications

Built-in ITU v.90/K56flex™ data/fax/voice modem with DSVD, personal video conferencing (V.80) and V.34 protocols
Supports speakerphone, telephone answering machine, incoming call discrimination, and Ring wake-up resume function
RJ-11 port

Keyboard

Full sized 84 keys with 12 function keys
3mm travel
Windows® 95 keys
Integrated AccuPoint™ pointing device

Expansion

Two PC Card slots support two Type II or one Type III

PC Cards; 32-bit CardBus ready

SVGA video port

Integrated external diskette drive connector

Fast infrared port (4Mbps, IRDA V1.1 compliant)

PS/2™ mouse/keyboard port (Y-connector supported)**

Universal Serial Bus (USB) port

ECP parallel port**

High speed serial port (16550 UART compatible)**

RJ-11 modem port

Headphone

Microphone

Port Expander Module port

240 pin docking connector

**via standard Port Expander Module

Optional CD or DVD Network Dock

10/100BaseT Ethernet (Intel chipset)
System Management: Wake-On-LAN, Alert-On-LAN, and Remote Service Boot

RJ-45 network port

Integrated Diskette Drive

DVD-ROM, 2,704KB/s max transfer rate (for DVD Network Dock only)

CD-ROM, 3,600KB/s max transfer rate (for CD Network Dock only)

2 USB Ports

2 Stereo Speakers

2 Acoustic Sound Chambers

ECP parallel port

High speed serial port (16550 UART compatible)

PS/2 Mouse port

PS/2 Keyboard port

SVGA video port

Composite Video Out (NTSC/PAL)

Headphone

Microphone

Line-in, Line-out

Manual Volume Control

Cable lock slot

Dimensions (LxWxH)

11.6" x 9.5" x 1.1" (0.9" front)

Weight

4.17 lbs

Power Supply

45W Autosensing External AC Adapter
100-240V input voltage
50-60Hz frequency

4.9" (L) x 1" (H) x 2.46" (W), 0.66 lbs

Battery

Rechargeable, removable Lithium-Ion battery (10.8V, 2500mAh)

2+ hours battery life

2.5+ hour recharge time

ACPI V1.0

Optional High Capacity battery (Lithium Ion) doubles battery life (10.8V, 5,000mAh)

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
Intel® LANDesk® Client Manager 3.3
SMS Connect for DMI BIOS integration
Wired for Management V1.1a enabled, support for Wake-On-LAN™, Alert-On-LAN, and Remote Service Boot with optional CD or DVD Network Dock; ACPI power management; DMI 2.0 BIOS
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
Eject from docking password
Main system memory and hard disk drive security screws included
Cable lock slot

Software

Microsoft® Windows® 98 Pre-install (Dual Linked Windows 98/95 Configuration Builder CD) or Microsoft Windows NT4.0 Pre-install
Microsoft Windows NT, Windows 95 and Windows 98 operating system support via web utilities and drivers
Portégé 7020CT Online Documentation
Microsoft Internet Explorer®
Puma IntelliSync™ 97 (for Win95 and NT only)
RingZero RingCentral™
Toshiba Custom Utilities
Intel LANDesk Client Manager 3.3
System Soft Card & Socket Services (Windows® NT Workstation 4.0 only)

Warranty

3 year parts and labor
1 year 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: 20° 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), 1.5G docked in CD or DVD Network Dock

Non-operating: 60G (66ms), 50G docked in CD or DVD Network Dock

Vibration:

Operating: 0.5G, 0.25G docked in CD or DVD Network Dock

Non-operating: 1G, 1G docked in CD or DVD Network Dock

Part Number

PAP702U-T2W8 Portégé 7020CT – Windows 98 pre-install with dual linked Windows 98/95 Configuration Builder CD

PAP702U-T2N4 Portégé 7020CT – Windows NT 4.0

Accessories

KTT-8000/32 32MB SDRAM memory upgrade module

KTT-8000/64 64MB SDRAM memory upgrade module

KTT-8000/128 128MB SDRAM memory upgrade module

PA 2450U Universal AC Adapter

PA2505U Battery Pack (primary Lithium Ion)

PA2506UR High Capacity Battery Pack

PA2508U Battery Charger

NWCC57830 Portege Business Attache (black)

PA2722U DVD Network Dock

PA2723U CD Network Dock

ST24CDR PORT-Noteworthy® PC Card CD-ROM

PA2669U External floppy disk drive