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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
68MHz Front Side Bus

Memory
Type: SO-DIMM Synchronous DRAM, 3.3V, 9ns
Capacity: 512MB standard, expandable to 1.250MB
One internal memory expansion slot available

BIOS
APM V1.2; ACPI V1.0; Phoenix V1.5a; VESA V2.0; DPMS; ACPI
DOS: 25 MS; 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 (internal)
Connects via diskette drive connector

CD-ROM/DVD-ROM
Via optional CD DVD Network Dock or external PC card CD-ROM
CD Network Dock: 24x max speed
130ms average access time
3.600KBs maximum data transfer rate
DVD Network Dock: 2x max speed (DVD-ROM)
160ms average access time
2.704KBs 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:
256 colors:
Audio
ESS ES1928 and software-enabled Wavetable
synthesis sound, Windows Sound System V2.0,
DirectSound, Direct3D sound
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.42/42bis/44/50/50bis/100/101 protocol
data/fax/voice modem with
OSD, personal video conferencing (V.90) and V.34
protocols
Supports speakerphone, telephone answering
machine, incoming call discrimination, and Ring
wake-up resume function

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 controller
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
Microphone
Port Expander Module port
240 pin docking connector
*via standard Port Expander Module

Optional CD or DVD Network Dock
10/100Base-T Ethernet (Intel chip)
System Management: Wake-On-LAN, Alert-On-LAN,
and Remote Service Boot
RJ-45 network port
Integrated Diskette Drive
DVD-ROM, 2.704KBs max transfer rate (for DVD
Network Dock only)
CD-ROM, 3.600KBs 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)
Microphone
Line-in, Line-out
Manual Volume Control
Cable lock slot

Dimensions (LxWxH)
17.6" x 9.5" x 1.1" (0.35" 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: NISTL 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 NT 4.0 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 InteliSyst™ 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°C to 35°C (41°F to 95°F)
Non-operating: -20°C to 65°C (-4°F to 149°F)

Relative Humidity:
Operating: 20% to 80% non-condensing
Non-operating: 10% to 90% non-condensing

Altitude (relative to sea level):
Operating: -50 to 3,000m (-197' to 9,842')
Non-operating: -60 to 10,000m (-197' to 32,808')

Shock:
Operating: 10G (11ms), 1.56g 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
PAP702U-T2N4 Portégé 7020CT – Windows NT

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
PA-2505U Battery Pack (primary Lithium Ion)
PA-2505ULR High Capacity Battery Pack
PA-2508U Battery Charger
NW212830 130MB Business Attache (black)
PA-2722U DVD Network Dock
PA-2723U CD Network Dock
ST2425R PORT-NoteWorthy® PC Card-CD-ROM
PA2669U External floppy disk drive

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