

# TOSHIBA

## Tecra 8100 Series

### Product Highlights

New Mobile Intel® Pentium III Processor featuring Intel® SpeedStep™ Technology™ Performance  
Sleek Thin and Light Design  
Configurable from 5.6 lbs  
3 Hours of Battery Life in Full Power Mode  
Low Enterprise TCO  
Scaleable Modular Platform

### Product Specifications

#### Processors [Configure this Product](#)

Intel® Mobile Pentium® III processors:

- ◆ 850MHz, 800MHz, 750MHz, 700MHz, 650MHz, 600MHz featuring SpeedStep Technology™ (1.6V);

With 256KB Level 2 cache integrated on die

Integrated co-processor  
32KB internal cache  
Data/Address Bus Width: 64-bit/32-bit  
100MHz Processor System Bus (PSB)

#### Memory [Configure this Product](#)

Type: 64 / 128 / 256 Mbit SO-DIMM PC100 SDRAM, 3.3V, 100MHz  
Capacity: Up to 512MB\*

Two internal memory slots. At least one slot configured with base memory.

#### BIOS

APM V1.2; ACPI V1.0b; PnP V1.0a; VESA V2.0; DPMS; DDC2B; SM Bios V2.3; PCI BIOS V2.1

#### System Architecture

PCI Bus V2.2; Intel 443BX system chipset

#### Hard Disk [Configure this Product](#)

6.0, 10.0, 12.0, 20 billion byte Supports PIO Mode 4;

Accommodates 12.7mm height, 2.5" hard drives  
12-14ms average access time  
Enhanced IDE (ATA-4); User removable

#### SelectBay® Diskette Drive

3.5", 1.44MB

Internal use in SelectBay

External use via diskette drive case (included)

#### SelectBay® CD-ROM [Configure this Product](#)

5.25" EIDE, 24X max. speed, 12.7mm height  
115ms average access time  
3,600KB/s maximum data transfer rate  
Compatibility:  
CD-ROM, CD-R (read only), CD-RW (read only)  
Internal use in SelectBay®

#### SelectBay® DVD-ROM [Configure this Product](#)

5.25" EIDE, 6X Max Speed, 12.7mm height  
120ms average access time  
3,357 - 8,112 KB/s data transfer rate (DVD-ROM)  
684.4 - 4,104 KB/s (4-24x) data transfer rate (CD-ROM)  
Compatibility: CD-ROM, CD-R (read only), CD-RW (read only), DVD-ROM, DVD-R (read only), DVD-RW (read only)  
Internal use in SelectBay®

#### SelectBay® Battery

Lithium Ion (10.8V, 3400mAh)  
Doubles battery life

#### SelectBay® HDD

6.0, 10.0, 12.0 or 20.0 billion byte – Enhanced IDE (ATA-4)  
Accommodates 12.7mm height 2.5" hard drives  
Bootable hard drive access  
Internal use in SelectBay®  
Compatible with Expansion Station (adapter required)

#### Video

S3 Savage/MX graphics controller, 128-bit, 3D graphics accelerator  
8MB SGRAM External Video Memory  
128-bit BitBLT engine, 66MHz x2 AGP Bus

#### DVD Audio/Video (included with DVD-ROM)

MediaMatics DVD Express (Software DVD decoder): Region 1 DVD-Video, Mini-Composite, Support MP@ML standard for DVD video and audio, Video Out (NTSC/PAL), Decode AC-3 (Dolby Digital) & Dolby Pro-Logic

#### Video Ports

SVGA  
NTSC/PAL output; 3.5mm mini jack, bundled  
RCA conversion cable

#### Display

TFT Active Matrix Color Display

14.1" diagonal: up to 16 million colors at 1024 x 768 resolution

#### External Color Support

16M colors:

1024x768, 800x600, 640x480  
@ 60/75/85Hz Non-Interlaced, simultaneous mode  
1280x1024 @60Hz Non-interlaced, simultaneous mode

64K colors:

1024x768, 800x600, 640x480  
@60/75/85Hz Non-Interlaced, simultaneous mode  
1600x1200, 1280x1024 @60Hz non-interlaced, simultaneous mode

256 colors:

1024x768, 800x600, 640x480  
@ 60/75/85Hz Non-Interlaced, simultaneous mode,  
1600x1200, 1280x1024 @60Hz non-interlaced, simultaneous mode

#### Audio

YAMAHA YMF744B-R (DS-1S), 16-bit stereo  
Compatibility: Windows Sound System V2.0 and Sound Blaster Pro compatible

.WAV

MIDI playback

3D sound support

Direct Sound, Direct 3D Sound, Direct Music,

Hardware accelerated 2D & 3D Audio Streams

Full duplex sound support

Headphone port

External mic port

Built-in speaker

Built-in mic

#### Communications [Configure this Product](#)

Integrated V.90/K56flex™ modem

Supports ring wake-up resume

RJ-11 modem port

#### Keyboard

Full sized 85 keys with 12 function keys

2.7mm key stroke

Dedicated Windows® keys

Integrated AccuPoint II™ pointing device, scroll function - programmable

#### Expansion

Two PC Card slots support two Type II or one

Type III PC Cards;

Supports: PCMCIA R2.01, PC Card 16, CardBus

Two expansion memory slots (including main memory)

SVGA video port

TV-out port (NTSC/PAL output; 3.5mm mini jack, bundled RCA conversion cable

Integrated external floppy 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

240 pin docking connector

#### Dimensions (WxDxH)

12.3" x 10.0" x 1.5" – Based on 14.1" TFT – thickness may vary at certain points on the system

#### Weight

Configurable from 5.6 lbs  
(w/ 14.1" TFT, 64MB, 6GB HDD, weight saver, battery pack)

#### Power Supply

60W Autosensing External AC Adapter

100-240V input voltage

50-60Hz frequency

5.5"W x 1.0"D x 3.0"H, 1.0 lbs.

#### Battery

Rechargeable, removable Lithium Ion battery (10.8V, 4500mAh)

3.0 hours battery life\*

2.5 hours recharge time (off)

ACPI V1.0b support

\*Battery life may vary depending on configuration, applications, power management settings and features utilized. Recharge time varies depending on usage.

#### System Management

SM V2.3 BIOS support with asset tag capability

DMI 2.0 Ready

Support Wired for Management 2.0

ACPI V1.0b power management

Support for Wake-On-LAN

Support Boot to LAN

Intel LANDesk Client Manager V6.0

Built-in 10/100 BaseT Ethernet via NetDock

Toshiba Configuration Builder CD

Year 2000 compliance: NSTL hardware tested

#### Security

Power-on password (2-level password support)

HDD access password

SecureSleep (screen blank)

Main system memory, modem, and internal HDD security screws included

Cable lock slot

Keyboard lock

CPU Serial Number Security

#### Software [Configure this Product](#)

Microsoft® Windows 2000 SP1, Windows NT 4.0 SP5,

Windows 98SE

AT&T WorldNet Services - 98SE

Customizable Toshiba/My Yahoo! Start page - 98SE

Mediamatics DVExpress - 98SE/W2K

Microsoft Internet Explorer - 98SE/NT4.0/W2K

Puma IntelliSync 97 - NT4.0 Only

RingCentral - Windows 98 & NT4.0

DVD Express – 98/W2K

System Soft Card & Socket Services - Windows NT4.0 Only

Toshiba custom utilities - 98SE/NT4.0/W2K

Electronic User Guide - 98SE/NT4.0/W2K

Software may differ from the retail version (if available)

and may not include user manuals or all program functionality.

#### 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:

Operating: 15° C per hour maximum

Non-operating: 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, 1.5G with CD/DVD-ROM

Non-operating: 60G

Vibration:

Operating: 0.5G, 0.25G with CD/DVD-ROM

Non-operating: 1G

#### Featured Configurations

PIII-800/14.1/10/128MB/Mdm/DVD/WIN2K

PIII-850/14.1/20/256MB/Mdm/DVD/WIN2K

PIII-700/14.1/12/128MB/Mdm/DVD/WIN2K

PIII-750/14.1/12/128MB/Mdm/DVD/WIN2K

PIII-650/14.1/12/128MB/Mdm/DVD/WIN2K

PIII-600/14.1/12/128MB/Mdm/DVD/WIN2K

#### Accessories

PA3017U-1PRP	NetDock Port Replicator
PA3018U-1DST	Expansion Station
PA3028U-1PRP	Port Replicator
PA3021U-1OTR	Monitor Stand
PA3022U-1OTR	Expansion Station 5.25 in. Tray
PA3023U-1OTR	Expansion Station 2.5 in. Tray
PA3020U-1OTR	SelectBay HDD Tray for System
PA3009U-1BAR	Primary Battery
PA3010U-1BAR	2nd Battery
PA3011U-CHG	Battery Charger
PA2444U	60 Watt AC Adaptor
PA3015U-1CDD	24x CD-ROM Drive
PA3014U-2DVD	DVD-ROM Drive
PA2669U	3.5 External Floppy Disk Drive
PA3027U-1H12	12BB HDD
PA3056U-1H20	20BB HDD
PA3053U-1PCC	Toshiba Bluetooth PC Card**
KTT-SO100/64	Kingston 64MB PC100 Memory Module
KTT-SO100/128	Kingston 128MB PC100 Memory Module
KTT-SO100/256	Kingston 256MB PC100 Memory Module
NWLS120	Port SelectBay LS120 Drive
NWCC38630	Port Tecra Deluxe CarryAll

\*Hard disk drive: 1GB = 1BB

\*\*Toshiba Bluetooth PC Card compatible with  
Windows 98SE