



# Tecra M7-S7311

Flexible **by design.**

## **The Premier Tablet PC .**

Boldly Transform Your Computing Productivity.

### **Productive.**

The Tecra® M7 Tablet PC boldly elevates your productivity at the desktop and beyond.

### **Transformable.**

The Tecra® M7 is the premier high-performance Tablet PC for mobile users that demand the increased productivity of a Tablet PC bolstered with the exclusive Toshiba EasyGuard™ Technology feature set that boldly elevates system performance, reliability, and security. Whether users are at the desktop or beyond, Intel® Centrino® Duo Mobile Technology powers the Tecra® M7, allowing users to better experience the greater flexibility of Tablet PC and laptop computing. The turn-style transformation from laptop to Tablet PC with digital ink helps boost the visual experience of the 14.1" diagonal widescreen display to multimedia levels.

Designed for tremendous flexibility, the Tecra® M7 Tablet PC delivers robust features and performance to increase productivity at the desk, meetings and beyond, for users constantly on the go.

Digital ink transforms documents, spreadsheets and pictures into digital paper, allowing users to mark up the documents with handwriting.

Make presentations memorable with excellent multimedia graphics, dual stereo speakers and digital ink, whether on a digital projector or the 14.1" diagonal widescreen.

Better protect your confidential data with layers and layers of security. The combination of the Trusted Platform Module, Biometric Fingerprint reader, and Toshiba Security Assist Console provide a vault-like security system that is extremely robust yet simple to manage.

A 14.1" diagonal widescreen display and the flexibility of a laptop or Tablet PC option make meetings easy to manage.

Features Microsoft® Office OneNote® which gives you the freedom and flexibility of handwritten notation, as well as the efficiency and power of digital organizational tools.

Take and organize all your notes electronically, capture text, diagrams and pictures. Even search typed and handwritten notes to quickly find the information you need.

# Tecra M7-S7311<sup>1</sup> Detailed Product Specifications

## Operating System<sup>2</sup>

- Microsoft<sup>®</sup> Windows<sup>®</sup> XP Tablet Edition 2005

## Processor and Chipset<sup>3</sup>

### Intel<sup>®</sup> Centrino<sup>®</sup> Duo Mobile Technology featuring:

- Intel<sup>®</sup> Core<sup>™</sup> Duo Processor T2300E
  - 1.66GHz, 2MB L2, 667MHz FSB
- Mobile Intel<sup>®</sup> 945GM Express Chipset
- Intel<sup>®</sup> PRO/Wireless 3945ABG (802.11a/b/g)

## Memory<sup>4</sup>

- Configured with 512MB PC4200 DDR2 SDRAM (1 slot occupied, and 1 available)
- 512MB (Min)/4096MB (Max), with 256MB, 512MB, 1024MB or 2048MB PC4200 or PC5300 DDR2 memory modules.

## Hard Disk Drive<sup>5</sup>

- 80GB (5400RPM) Serial-ATA (SATA) hard disk drive; 9.5mm height; user removable

## Fixed Optical Disk Drive<sup>6</sup>

- DVD SuperMulti (+/-R double layer) drive supporting 11 formats
  - Maximum speed and compatibility: CD-ROM (24x), CD-R (24x), CD-RW (10x), DVD-ROM (8x), DVD-R (Single Layer, (8x)), DVD-R (Double Layer, (2x)), DVD-RW (4x), DVD+R (Single Layer, (8x)), DVD+R (Double Layer, (2.4x)), DVD+RW (4x), DVD-RAM (3x)

## Display<sup>7</sup>

- 14.1" diagonal widescreen TFT active-matrix LCD display at 1440x900 native resolution (WXGA+) with Wide Viewing Angle

## Graphics<sup>8</sup>

- Intel<sup>®</sup> Graphics Media Accelerator 950 with 8MB-128MB dynamically allocated shared graphics memory

## Sound

- Built-in stereo speakers
- Sound Volume Control Dial
- Built-in microphone

## Input Devices

- Keyboard
  - 84 key US keyboard
  - Hot Key Functions (Fn)
  - Windows Key Function
  - Application Key Function
- TouchPad<sup>™</sup> pointing device
- TouchPad<sup>™</sup> Enable/Disable
- Control Buttons:
  - Toshiba Assist button to launch Toshiba Assist control panel
  - Presentation button to quickly connect to projectors

## Communications

- Toshiba V.92 software modem<sup>9</sup>
- Intel<sup>®</sup> PRO/1000 VE Network Connection - 10/100/1000 Base-TX Ethernet
- Integrated Intel<sup>®</sup> PRO/Wireless Network Connection 3945ABG (802.11a/b/g) Wireless-LAN<sup>10</sup>

## Expandability

- 2 main memory slots.
- One PCMCIA – Type II/Type I Card Slot
- 5-in-1 Bridge Media Adapter
- Secure Digital, miniSD<sup>™</sup> (with adapter), Memory Stick<sup>™</sup>, Memory Stick PRO<sup>™</sup>, xD Picture Card [shared slots]
- Secure Digital slot supports SDIO

## Ports

- Video
  - RGB (monitor) output port
  - S-Video output port

- Audio
  - Microphone input port
  - Headphone output port
- Data
  - i.LINK<sup>™</sup> IEEE-1394
  - USB v2.0 – 4 ports
  - RJ-45 LAN port
  - RJ-11 modem port
  - 140-pin docking connector

## Physical Description

- Dimensions (WxDxH Front/H Rear): 13.7" (348.0mm) x 10.2" (260mm) x 1.57" (39.9mm)[F]
- Weight: Starting at 5.9 lbs (2.7 kg) depending upon configuration<sup>11</sup>
- Chassis Description
  - Case material:
  - LCD Cover Color:
- Physical Security
  - Slot for cable lock;
  - Items protected by a screw:
  - Fingerprint reader
- Software Security
  - Passwords: User power-on password, supervisor password
  - Hotkey locks: Screen Blank

## Power Supply

- 75W (15V x 5A) Auto sensing external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input.
- Dimensions (WxDxH): 5.00" (127.0mm) x 2.01" (51.0mm) x 1.20" (30.5mm)
- Weight: starting at 0.78 lbs (355 g)

## Battery<sup>12</sup>

- 6-cell (4700mAh) rechargeable, removable Lithium Ion (Li-Ion) battery pack
- Dimensions (WxDxH): 4.93" (125.1mm) x 2.68" (68.1mm) x 0.80" (20.4mm)
- Weight: starting at 0.75 lbs (338 g)
  - Included 6-cell battery: 4 hours, 04 minutes
  - Optional Slice battery:
    - 7 hours, 50 minutes – with 6-cell primary
- Recharge Time
  - Main Battery Off/On – approximately 3.0 hrs/approximately 3.0 to 13.0 hrs

## Toshiba Easyguard<sup>™</sup>M14

- Protect & Fix
  - Shock Absorbing Design<sup>13</sup>: HDD Shock Absorber, LCD Panel Shock Absorber, LCD Inverter Shock Absorber, Chassis Shock Protector
  - Hard Disk Drive Protection: 3D Accelerometer, HDD Dome Shock Protector, HDD Shock Absorber
  - Spill-Resistant Keyboard<sup>14</sup>
  - TOSHIBA PC Diagnostic Tool
  - Key Component Access
- Secure
  - Multiple-Level Password Utilities
  - Fingerprint Reader (includes software for password and identity management)
  - UPEK Protector Suite<sup>™</sup> QL,
  - Infineon TPM Software Professional Package 2.0
  - Trusted Platform Module (TPM v1.2)
  - TOSHIBA Secure Digital Token Utility
  - Advanced Instant Security
  - Reinforced Security Cable Lock Slot
  - Execute Disable Bit
- Connect
  - Diversity Antenna
  - TOSHIBA ConfigFree<sup>®</sup>
  - Voice-over-IP Ready Design
  - TOSHIBA Bluetooth<sup>®</sup> Stack
- Optimize
  - Presentation Button
  - Toshiba Zooming Utility

- LCD Rotation Utility
- One-touch Resolution Change
- Toshiba Power Saver Utility
- Toshiba Optical Disc Drive Power On/Off Utility
- Wireless On/Off Switch
- Toshiba Fn-esse<sup>®</sup> Shortcut Utility
- Toshiba Mouse Utility
- FN Shortcut Keys

## Software<sup>17</sup>

- Toshiba Software and Utilities
  - Toshiba ConfigFree<sup>®</sup>
  - Toshiba Custom Utilities
  - Toshiba Game Console
  - Electronic User's Guide
- Third-party Software
  - Microsoft Office<sup>®</sup> OneNote<sup>®</sup> 2003
  - Microsoft Works<sup>®</sup> Version 8.5
  - Sun<sup>®</sup> Java<sup>™</sup> 2 Runtime Environment
  - Adobe<sup>®</sup> Acrobat<sup>®</sup> Reader
  - InterVideo<sup>®</sup> WinDVD<sup>®</sup> 5
  - InterVideo<sup>®</sup> WinDVD Creator 2 Platinum
  - Sonic Solutions<sup>®</sup> RecordNow!<sup>™</sup> Basic for Toshiba
  - Sonic Solutions<sup>®</sup> Drive Letter Access<sup>™</sup> (DLA)
  - Microsoft<sup>®</sup> Windows Media Player version 10
  - Yahoo! Music Engine
- Trial Software
  - Microsoft Office Trial Small Business Edition (60-day trial)
  - Microsoft Digital Image Starter Edition (60-day trial)
  - McAfee<sup>®</sup> Internet Security Suite (30-day trial)
  - AOL<sup>®</sup> Internet Service (6-month trial)<sup>18</sup>

## Limited Warranty<sup>19</sup>

- 1-Year Standard Limited Warranty

## Accessories

### Memory

- PA3412U-2M51 Toshiba 512MB DDR2 533MHz PC2-4200 Memory Module, RoHS
- PA3411U-2M1G Toshiba 1GB DDR2 533MHz PC2-4200 Memory Module, RoHS

### Power

- PA3283U-3ACA Toshiba 75W Global AC Adapter, RoHS
- PA3191U-1BR5 Toshiba Primary Li Ion Battery Pack (6-cell, RoHS)
- PA3510U-1BRL Toshiba Slice Expansion Li Ion Battery (6 Cell, RoHS)
- PA3091U-2CHG Toshiba Battery Charger w/Integrated AC Adapter, RoHS
- PA3528U-1ETC Toshiba Battery Charger Adapter for Slice Expansion Battery Pack

### Expansion

- PA3508U-1PPR Toshiba Express Port Replicator w/90W AC Adapter

### Security and Protection

- PA1370U-1ETC Toshiba Keyboard Protector (Satellite/Tecra/Qosmio)
- PA410U Targus DEFCON CL Notebook Cable Lock

### Storage

- PA3109U-3FDD Toshiba USB Floppy Disk Drive Kit, RoHS
- PA1399U-1MEM Toshiba 1GB USB Hi-Speed Flash Drive

### Wireless and Bluetooth

- PA3455U-1BTM Toshiba USB Adapter with Bluetooth v2.0+EDR Capability

### Input Devices

- PA3316U-3ETC Toshiba Tablet PC Pen II, RoHS
- PA3317U-2ETC Toshiba Tablet PC Reserve Pen, RoHS
- PA1404U-1ETC Toshiba Tablet Pen Tether

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Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain installations of the software product(s) or reconfigurations of the computer, and may be completed by Internet or telephone (a toll charges may apply). Some software may differ from its retail version (if available), and may not include user manuals or all program functionality. <sup>3</sup> CPU performance in your computer product may vary from specifications under the following conditions: 1. use of certain external peripheral products 2. use of battery power instead of AC power 3. use of certain multimedia, computer generated graphics or video applications 4. use of standard broadband lines or low speed network connections 5. use of complex modeling software, such as high end computer aided design applications 6. use of several applications or functionalities simultaneously 7. use of computer in areas with low air pressure (high altitudes >1000 feet or >3280 feet above sea level) 8. use of computer at temperatures outside the range of 5°C (41°F to 86°F) or >25°C (77°F) at high altitudes (all temperature references are approximations and may vary depending on the specific computer model - please visit the Toshiba website at [www.pcprocessor.toshiba.com](http://www.pcprocessor.toshiba.com) for details). CPU performance may also vary from specifications due to design configuration. Under some conditions, the performance of your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid this, always make backup copies of data by periodically storing it on an external storage medium. Use your computer product only under recommended conditions. These additional restrictions under "Environmental Conditions" in your product "Detailed Specs." Contact Toshiba Technical Service and Support for more information. <sup>4</sup> Part of the main system memory may be used for the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors. For PCs configured with 4 GB of system memory, the full system memory space for computing activities will be considerably less and will vary by model and system configuration. <sup>5</sup> 1 Gigabyte (GB) means 108 - 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 230 = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the product includes one or more pre-installed operating systems, such as Microsoft<sup>®</sup> Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary. <sup>6</sup> Due to manufacturing and quality variations in third party optical media (i.e., CD or DVD) or optical media players/recorders, in certain cases, your Toshiba optical drive may not record on certain optical media that bear the appropriate logo, or playback optical media recorded by other PCs or optical media recorders. Additionally, certain optical media recorded on your optical drive may not playback or operate properly on other PCs or optical media players. These problems are not due to any defect in your Toshiba PC or optical drive. Please refer to your PC's product specification for listing of specific format compatibilities. Copy protection technology may also prevent or limit recording of data by periodically storing it on an external storage medium. <sup>7</sup> Small bright dots may appear on your screen display when you turn on your PC. Your display contains an extremely large number of thin filament transistors (TFT) and is manufactured using high-precision technology. Over a period of time, and depending on the usage of the computer, the brightness of the screen will deteriorate. This is also an intrinsic characteristic of the screen technology. When the computer is operated on battery power, the screen with dim and you may not be able to increase the brightness of the screen while on battery power. <sup>8</sup> GPU performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode. <sup>9</sup> Due to FCC limitations, speeds of 53 kbps are the maximum permissible transmission rates during download. Actual data transmission speeds will vary depending on line conditions. <sup>10</sup> Wireless connectivity and some features may require you to purchase additional software, external hardware or services. Availability of public wireless LAN access points may be limited. The transmission speed over the wireless LAN and the distance over which wireless LAN can reach may vary depending on surrounding electromagnetic environment, obstacles, access point design and configuration, and client device and software/hardware configurations. The actual transmission speed will be lower than the theoretical maximum speed. To use the Athena SuperAG<sup>™</sup> or SuperG<sup>™</sup> wireless function, if available, your client and access point must support the corresponding feature. Performance of these features may vary depending on product configuration, vendor components, manufacturing variability and conditions selected. <sup>11</sup> Weight may vary depending on product configuration, vendor components, manufacturing variability and conditions selected. <sup>12</sup> Battery life may vary considerably from specifications depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. Published battery life numbers are achieved on select models and configurations tested by Toshiba at the time of publication. See "Detailed Specs" for specific battery measurement test. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba web site at [www.accessories.toshiba.com](http://www.accessories.toshiba.com). <sup>13</sup> Measured by MobileMark. MobileMark is a trademark of the Business Applications Performance Corporation. <sup>14</sup> Toshiba EasyGuard<sup>™</sup> technology comprises a number of features some of which may or may not be available on a particular Toshiba notebook depending on the model selected. See [www.easyguard.toshiba.com](http://www.easyguard.toshiba.com) for detailed information. <sup>15</sup> Toshiba's shock absorption technology provides higher impact protection for your system as compared to Toshiba systems without similar shock protection features based on Toshiba's drop tests. Toshiba's standard limited warranty terms and limitations apply. Visit [www.warranty.toshiba.com](http://www.warranty.toshiba.com) for details. <sup>16</sup> Under Toshiba testing conditions, the spill-resistant keyboard designed the time for a water spill to reach the PC's main board to allow more time to properly close down the machine. <sup>17</sup> Some software may differ from its retail version (if available), and may not include user manuals or all program functionality. Certain Microsoft<sup>®</sup> software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain installations of the software product(s) or reconfigurations of the computer, and may be completed by Internet or telephone (a toll charges may apply). <sup>18</sup> Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Penium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required. <sup>19</sup> Warranty: The terms and conditions of Toshiba's standard limited warranty are available at [www.warranty.toshiba.com](http://www.warranty.toshiba.com) or Copyright 2006. All Rights Reserved.