Tecra M5-S5331

High performance **by design.**

Poweful.

The flagship of the Tecra® family, the Tecra® M5 delivers the optimal balance of performance, reliability, security and longevity designed to maximize productivity for mobile business users in any mobile setting - today and tomorrow.

Productive.

Mobility meets exceptional security, durability and reliability with the latest Intel® Centrino® Duo Mobile Technology and meticulously engineered EasyGuard™ Technology including shock-absorbing design for HDD protection[15], spill-resistant keyboard[16], fingerprint reader for one-touch security management, and commercial-grade encryption engines. All packed into a platform that epitomizes thin-and-light productivity.

From multi-tasking to multimedia, mobile performance doesn't get any better than this. Powered by Intel® Centrino® Duo Mobile Technology featuring the Intel® Core Duo Processors,[3] the Tecra M5 offers superior desktop and mobile performance.

Meticulously engineered EasyGuard™ Technology prepares users for the rigors of mobile computing with exceptional protection, security, connectivity, reliability and productivity.

EasyGuard™ Protect & Fix integrates lightweight shock-absorbing technologies into the notebook's design to buffer and cushion the HDD, display, inverter and other critical components in the event of accidental drops or bumps.

HDD shock absorption[15] and the intelligent free-fall-detecting 3D accelerometer protect sensitive hard disks in the event of a fall or excessive vibration. When a potential fall is detected, the 3D accelerometer helps prevent damaging contact between the HDD head and spinning disk.

EasyGuard™ Protect & Fix's spill-resistant keyboard[16] incorporates extra insulation and water resistance to provide a barrier between circuitry and moisture - allowing users enough time to save their work, close files and shut down the system.

EasyGuard™ Secure incorporates an embedded biometric sensor allowing users to easily log in by simply swiping their fingers across the built-in reader, preventing unauthorized access to the notebook.

Detailed Specifications

Operating System[2]
- Microsoft® Windows® XP Professional

Processor and Chipset[3]
Intel® Centrino® Duo Mobile Technology featuring:
- Intel® Core™ Duo Processor T2400 [1.83GHz, 2M L2, 667MHz FSB]
- Mobile Intel® 945GM Express Chipset
- Intel® PRO/Wireless 3945ABG (802.11a/b/g)

Memory[4]
- Configured with 512MB DDR2 533MHz SDRAM (using one memory module, one memory expansion slot open)
- 512MB(min)/4096MB (max), 2 memory slots using 256MB, 512MB, 1024MB, or 2048MB PC4200 DDR2 533MHz or PC5300 DDR2 667MHz SDRAM, dual-channel support requires two memory modules of same capacity and clockspeed

Hard Disk Drive[5]
- 80GB (5400 RPM) Serial-ATA (S-ATA) hard disk drive; 9.5mm height

Slim SelectBay Optical Disk Drive[6]
- DVD SuperMulti (+/-R double layer) drive supporting 11 formats: Maximum speed and compatibility: CD-ROM (24x:read), CD-R (24x:write), CD-RW (10x:write), DVD-ROM (8x:read), DVD-R (Single Layer, 8x:write), DVD-R (Double Layer, 2x: write), DVD-RW (4x:write), DVD+R (Single Layer, 8x:write), DVD+R (Double Layer, 2.4x:write), DVD+RW (4x:write), DVD-RAM (5x:write)

Display[7]
- 14.1" diagonal TFT active-matrix LCD display at 1024x768 native resolution (XGA)

Graphics[8]
- Intel® Graphics Media Accelerator 950 with 8MB-128MB dynamically allocated shared graphics memory

Sound
- Built-in stereo speakers
- SigmaTel STAC9200 24-bit stereo software sound: Supports Direct 3D Sound, DirectSound, Direct Music, MIDI (playback); Connected BUS: High Definition Audio
- Sound Volume Control Dial
- Built-in microphone

Input Devices
- Keyboard: 85 key US keyboard; Hot Key Functions (Fn); Windows Key Function; Application Key Function
- Toshiba Accupoint® and TouchPad™ dual pointing device
- TouchPad™ Enable/Disable (FN+F9 or by help of software)
- Control Buttons: Toshiba Assist button to launch Toshiba Assist control panel; Presentation button to quickly connect to projectors

Communications
- Toshiba V.92 software modem[9]
- Intel® 10 Base-T/100 Base-TX/1000 Base-T Ethernet
- Integrated Intel® PRO/Wireless Network Connection 3945ABG (802.11a/b/g)[10]

Expandability
- 2 main memory slots.
- 1 PC Card slot support 1 Type II, PCMCIA R2.01, PC Card16, CardBus
- ExpressCard™ slot supporting ExpressCard/34 and ExpressCard/54
- 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™ IEEE-1394
  - Universal Serial Bus (USB v2.0) – 3 ports
  - RJ-45 LAN port
  - RJ-11 modem port
  - Serial port
  - 240-pin docking connector

Physical Description
- Dimensions (WxDxH Front/H Rear): 12.4" (315.6mm) x 10.3" (261.0mm) x 1.23" (31.2mm)[F]/1.35" (34.2mm)[R] without feet
- Weight: Starting at 5.05 lbs (2.29kg) depending upon configuration[11]
- Indicators: Main Battery Charging, DC-IN, Power/Sleep, HDD Activity, Wireless On, Caps Lock, Arrow Mode, Numeric Lock
- Chassis Description: Case material: PCABS+Magnesium; LCD Cover Color: Titanium Silver
- Physical Security: Slot for cable lock; Items protected by a screw: Memory, HDD
- 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): 5.0" (127.0mm) x 2.01" (51.0mm) x 1.18" (30.0mm)
- Weight: starting at 0.78 lbs (355 g)

Battery[12]
- 6-cell (4700mAh) rechargeable, removable Lithium Ion (Li-Ion) battery pack
- Dimensions (WxDxH): 8.15" (207.0mm) x 0.79" (20.0mm) x 1.17" (45.0mm)
- Weight: starting at 0.75 lbs (338 g)
- Battery Life (measured by MobileMark™)[13]
  - Included 6-cell battery: 4 hours, 2 minutes
  - Optional 9-cell battery: 6 hours, 18 minutes
  - Optional 12-cell battery: 7 hours, 41 minutes
- Recharge Time: Main Battery Off/On – approximately 3.0 hrs/approximately 3.5 to 13.0 hrs

Toshiba Easyguard™[14]
- Protect & Fix
  - Shock Absorbing Design[15]: HDD Shock Absorber
  - Hard Disk Drive Protection: 3D Accelerometer, HDD Dome Shock Protector, HDD Shock Absorber
  - Spill-Resistant Keyboard[16]
  - Magnesium Alloy Casework
  - TOSHIBA PC Diagnostic Tool
  - Key Component Access
- Secure
  - Multiple-Level Password Utilities
  - Fingerprint Reader (includes software for password and identity management)
  - Trusted Platform Module (TPM v1.2)
  - TOSHIBA Secure Digital Token Utility
  - Reinforced Security Cable Lock Slot
  - Execute Disable Bit
- Connect
  - Diversity Antenna
  - TOSHIBA ConfigFree®
  - Voice-over-IP Ready Design
- Optimize
  - Presentation Button
  - TOSHIBA Zooming Utility

- One-touch Resolution Change
- TOSHIBA Power Saver Utility
- Wireless On/Off Switch
- TOSHIBA Fn-esse® Shortcut Utility
- TOSHIBA Mouse Utility
- FN Shortcut Keys

Software[17]
- Toshiba Software and Utilities
  - TOSHIBA ConfigFree®
  - TOSHIBA Custom Utilities
  - Electronic User's Guide
- Third-party Software
  - Microsoft® Office OneNote™ 2003
  - Microsoft® Works®
  - Intuit® Quicken® New User Edition 2005
  - Sun® Java™ 2 Runtime Environment
  - Adobe® Acrobat® Reader
  - InterVideo® WinDVD® 5
  - InterVideo® WinDVD Creator 2 Platinum
  - Sonic Solutions® RecordNow!™ Basic for Toshiba
  - Sonic Solutions® Drive Letter Access™ (DLA)
  - Microsoft® Windows® Media Player Version 10
  - Yahoo! Music Engine
  - Google Toolbar
  - MyYahoo! Toshiba Start Page
- Trial Software
  - McAfee® VirusScan™ (30-day trial)
  - McAfee® antiSpyware (30-day trial)
  - McAfee® Personal Firewall Plus (30-day trial)
  - McAfee® SpamKiller® (30-day trial)
  - AOL® Internet Service (90-day trial)[18]

Limited Warranty[19]
- 3-Year Standard Limited Warranty

Accessories

Power
PA3283U-3ACA	Toshiba 75W Global AC Adapter	
PA3356U-2BRS	Toshiba Primary Li Ion Battery Pack (6 Cell)	
PA3509U-1BRM	Toshiba Primary Extended Capacity Li Ion Battery Pack (9 Cell)	
PA3357U-1BRL	Toshiba Primary High Capacity Li Ion Battery Pack (12 Cell)	
PA3129U-2BRS	Toshiba Slim SelectBay 2nd Battery Pack	
PA3091U-2CHG	Toshiba Battery Charger with Integrated AC Adapter	

Expansion
- PA3474U-1PRP Toshiba Advanced Port Replicator III Plus

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

Storage
- PA3109U-3FDD Toshiba USB Floppy Disk Drive Kit
- PA3407U-1H80 Toshiba 80GB HDD Kit with (Bracket) 5400 rpm SATA
- PA3430U-1HA0 Toshiba 100GB HDD Kit with (Bracket) 5400 rpm SATA
- PA3134U-1ETC Toshiba Slim SelectBay HDD Adapter (Black Bezel)
- PA1399U-1MEM Toshiba 1GB USB Hi-Speed Flash Drive

Wireless and Bluetooth
- PA3455U-1BTM Toshiba USB Adapter with Bluetooth 2.0 + EDR Capability

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