TOSHIBA

Toshiba TECRA A50-C User Manual

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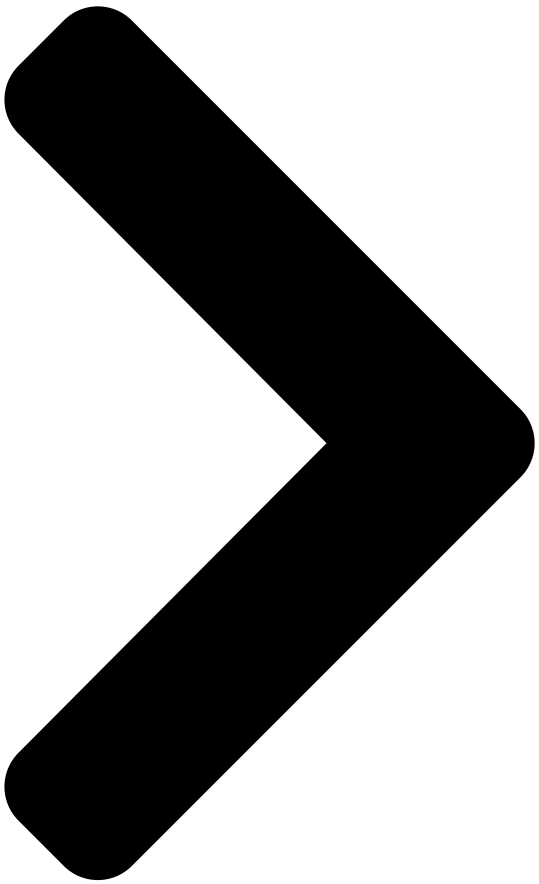

User's Manual

Satellite Pro R50-C/A50-C

TECRA A50-C/Z50-C

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Related Manuals for Toshiba TECRA A50-C

Laptop Toshiba Satellite Pro R50-C Series User Manual

(157 pages)

Desktop Toshiba TECRA C50-C Series User Manual

(147 pages)

Laptop Toshiba Tecra A50-C Series Quick Start Manual

(9 pages)

Notebook Toshiba Tecra Z50-C Series User Manual

(191 pages)

Laptop Toshiba Satellite Pro A50-C User Manual

(147 pages)

Laptop Toshiba Satellite Pro R50-C User Manual

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Notebook pc (140 pages)

Laptop Toshiba Satellite A500 series User Manual

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Laptop Toshiba Satellite A50-109 User Manual

Toshiba satellite a50-109: user guide (211 pages)

Laptop Toshiba Satellite A50 User Manual

Portable personal computer (238 pages)

Laptop Toshiba Satellite Pro R50-D Series User Manual

(180 pages)

Laptop Toshiba TECRA A50-E User Manual

(147 pages)

Laptop Toshiba Tecra A50 A Series Quick Start Manual

(8 pages)

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Page 4: Chapter 1 Toshiba Legal, Regulatory, And Safety

© 2015 TOSHIBA Corporation. All rights reserved. Under the copyright laws, this manual cannot be reproduced in any form without the prior written permission of TOSHIBA. No patent liability is assumed, with respect to the use of the information contained herein.

Page 5: Regulatory Information

® The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Toshiba Corporation and its affiliates is under license. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Page 6 TOSHIBA is likely to result in interference to radio and TV reception. Shielded cables must be used between the external devices and the computer's external RGB monitor port, Universal Serial Bus (USB 2.0 and 3.0) ports, HDMI out port and Headphone/Microphone jack.

Page 7 EMC (Electromagnetic Compatibility) and safety standards. However, TOSHIBA cannot guarantee that this product still observes these EMC standards if options or cables not produced by TOSHIBA are connected or implemented. In this case the persons who have connected/implemented those options/cables have to provide assurance that the system (PC plus options/cables) still fulfils the required standards.

Page 8 Note that Canadian Department of Communications (DOC) regulations provide, that changes or modifications not expressly approved by TOSHIBA Corporation could void your authority to operate this equipment. This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Page 9 Evaluation, Authorization and Restriction of Chemicals), entered into force on 1 June 2007, with phased deadlines to 2018. Toshiba will meet all REACH requirements and is committed to provide our customers with information about the presence in our articles of substances included on the candidate list according to REACH regulation.

Page 10 Toshiba meets all requirements of Turkish regulation 28300 "Restriction of the use of certain hazardous substances in electrical and electronic equipment".

Page 11: Video Standard Notice

Video Standard Notice THIS PRODUCT IS LICENSED UNDER THE AVC, THE VC-1 AND MPEG-4 VISUAL PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER FOR (I) ENCODING VIDEO IN COMPLIANCE WITH THE ABOVE STANDARDS ("VIDEO") AND/OR (II) DECODING AVC, VC-1 AND MPEG-4 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NONCOMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED BY MPEG LA TO PROVIDE SUCH...

Page 12: Energy Star® Program

If the model you purchased is compliant, it uses the ENERGY STAR logo and the following information applies. TOSHIBA is a partner in the ENERGY STAR Program and has designed this computer to meet the latest ENERGY STAR guidelines for energy efficiency. Your computer...

Page 13: Optical Disc Drive Safety Instructions

To prevent direct exposure to the laser beam, do not try to open the enclosure. Location of the Required Label (Sample shown below. Location of the label and manufacturing information might vary.) TOSHIBA SAMSUNG STORAGE TECHNOLOGY KOREA CORPORATION 14F, Bldg. No.102, Digital empire2, 486 Sin-dong, Yeongtong-gu, Suwon-si,...

Page 14: General Precautions

General Precautions TOSHIBA computers are designed to optimize safety, minimize strain and withstand the rigors of portability. However, certain precautions should be observed to further reduce the risk of personal injury or damage to the computer. Be certain to read the following

general precautions and to note the cautions included in the text of the manual.

Page 15 Stress injury Carefully read the Instruction Manual for Safety and Comfort. It contains information on the prevention of stress injuries to your hands and wrists that can be caused by extensive keyboard use. It also includes information on work space design, posture, and lighting that can help reduce physical stress.

Page 16: Safety Icons

Moving the computer While the computer is designed for flexible day-to-day usage, you should exercise a few simple precautions when moving it in order to help ensure trouble-free operation. Make sure all disk/disc activity has ended before moving the computer. Turn off (shut down) the computer.

Page 17 Indicates a potentially hazardous situation, which could result in death or serious injury, if you do not follow instructions. A caution informs you that improper use of equipment or failure to follow instructions might cause data loss, equipment damage, or might result in minor or moderate injury.

Page 18: Chapter 2 Getting Started

This chapter provides an equipment checklist, and basic information to start using your computer. If you use an operating system that was not pre-installed by TOSHIBA, some of the features described in this manual might not function properly. Equipment checklist Carefully unpack your computer, taking care to save the box and packaging materials for future use.

Page 19: Using Your Computer For The First Time

Double-click Tap the Touch Pad or click the left Touch Pad control button twice. Left click the mouse twice. Start The word "Start" refers to the " " button in the lower-left corner of the screen. All apps You can find a list of all your apps and programs in the All apps.

Page 20 Always use the TOSHIBA AC adaptor that was included with your computer, or use AC adaptors specified by TOSHIBA to avoid any risk of fire or other damage to the computer. Use of an incompatible AC adaptor might cause fire or damage to the computer possibly resulting in serious injury.

Page 21 Figure 2-1 Connecting the power cord to the AC adaptor (2-pin plug) Figure 2-2 Connecting the power cord to the AC adaptor (3-pin plug) Either a 2-pin or 3-pin adaptor/cord is included with the computer depending on the model. Connect the DC output plug of the AC adaptor to the DC IN 19V jack on your computer.

Page 22 Figure 2-4 Opening the display panel 1. Display panel Open and close the display panel with reasonable care. Opening it vigorously or slamming it shut might damage the computer. Do not put your fingers in the gap between the LCD panel and battery pack when closing your LCD, otherwise your fingers might get hurt.

Page 23: Getting To Know Windows

Turning on the power This section describes how to turn on the power. The Power indicator indicates the status. Refer to the Power Condition Descriptions section for more information. After you turn on the power for the first time, do not turn it off until you have set up the operating system.

Page 24 You can access the Start menu from an app or the desktop in the following ways: Click the Start button ( ) in the lower-left corner of the screen. ® Press the Windows logo key ( ) on your keyboard. Most used allows quick access to your frequently used apps, and your recently installed apps are highlighted under Recently added.

Page 25: Turning Off The Power

Settings Settings provides system settings including advanced settings in the Control Panel. They are divided in categories so that you can configure, optimize, or personalize Windows. You can also type in the keyword, and use Search to find any setting. To open Settings, click Start ->...

Page 26 Never turn off the power, disconnect an external storage device, or remove storage

media during data read/write. Failure to do so can cause data loss. Click Start -> Power and then select Shut down. Turn off any peripheral devices connected to your computer. Do not turn the computer or peripheral devices back on immediately.

Page 27 Note that keyboard keys can only be used if the Wake-up on Keyboard option is enabled within the TOSHIBA System Settings. If the computer enters Sleep Mode while a network application is active, the application might not be restored when the computer is next turned on and the system returns from Sleep Mode.

Page 28 If you are operating the computer on battery power, you can lengthen the overall operating time by turning it off into Hibernation Mode. Sleep Mode consumes more power while the computer is off. Sleep Mode limitations Sleep Mode will not function under the following conditions: Power is turned back on immediately after shutting down.

Page 29: System Recovery

Restoring the pre-installed software from your created Recovery Media Restoring the pre-installed software from the Recovery Partition If you choose TOSHIBA Maintenance Utility to erase the internal storage drive, all data including the operating system and recovery partition will be User's Manual...

Page 30 In that case, you cannot create recovery media or restore the pre- installed software from the recovery partition. Make sure that you have already created recovery media before you start TOSHIBA Maintenance Utility. This recovery media can be used to restore your system after you have erased your internal storage drive.

Page 31 To perform this restoration, do the following: When you reinstall the Windows operating system, the hard disk will be reformatted and all data will be lost. Make sure to use the default Boot Mode option in TOSHIBA Setup Utility before restoring. Launch the TOSHIBA Setup Utility.

Page 32 Recovery Media. However, if you have already created a "Recovery Media", you can use it to restore the recovery partition. If you have not created "Recovery Media", contact TOSHIBA support for assistance. Restoring the pre-installed software from the Recovery Partition A portion of the total internal storage drive space is configured as a hidden recovery partition.

Page 33: Chapter 3 The Grand Tour

Chapter 3 The Grand Tour This chapter identifies the various components of the computer. It is recommended that you become familiar with each before you operate the computer. Legal Footnote (Non-applicable Icons) For more information regarding Non-applicable Icons, refer to the Legal Footnotes section.

Page 34: Left Side

Power indicator The Power indicator normally glows white when the computer is turned on. However, if you turn off the computer into Sleep Mode, this indicator flashs amber. Wireless The Wireless communication indicator glows communication white when the wireless functions are turned on. indicator Some models are equipped with wireless functions.

Page 35 Do not connect any cable other than a LAN cable to the LAN jack. It might cause damage or malfunction. Universal Serial Bus Two Universal Serial Bus ports, which comply to (USB 2.0 or 3.0) port the USB 2.0 or 3.0 standard, are provided on the left side of the computer.

Page 36: Right Side

SIM Card slot This slot allows you insert a SIM card which enables a high-speed access to the Internet, corporate Intranet and your email while you are away from office. Refer to the Wireless WAN Device section for more information. Some models are equipped with the SIM Card slot.

Page 37 Universal Serial Bus Two Universal Serial Bus ports, which comply to (USB 3.0) port the USB 3.0 standard, are provided on the right side of the computer. USB 3.0 port is compliant with USB 3.0 standard and backward compatible with USB 2.0 devices. The port with the icon ( ) has Sleep and Charge function, and this function is only provided with some models.

Page 38: Back

DC IN 19V jack The AC adaptor connects to this jack in order to power the computer and charge its internal batteries. Note that you must only use the model of AC adaptor supplied with the computer at the time of purchase. Using the wrong AC adaptor can damage the computer.

Page 39 Figure 3-5 The underside of the computer 1. Battery lock 4. Docking port* 2. Battery release latch 5. Memory module cover* 3. Cooling vents * Provided with some models. Product appearance depends on the model you purchased. Battery lock Slide the battery lock to release the battery pack ready for removal.

Page 40: Front With The Display Open

180W/120W. Some models are equipped with the docking port. Only the TOSHIBA Hi-Speed Port Replicator III 180W or 120W is compatible with the docking port. Do not attempt to use any other Port Replicator. Keep foreign objects out of the docking port. A pin or similar object can damage the circuitry of the computer.

Page 41 5. Display screen 13. AccuPoint* 6. Stereo speakers 14. AccuPoint control buttons* 7. Power button 15. Touch Pad ON/OFF icon* 8. Display hinges 16. TOSHIBA eco icon* * Provided with some models. Product appearance depends on the model you purchased. User's Manual...

Page 42 Wireless Depending on the configuration of your communication computer, one or all of the following antennas are antennas built-in: Wireless LAN Wireless LAN/Bluetooth Some models are equipped with wireless communication antennas. Do not cover the wireless communication antennas area with any metal objects, otherwise the wireless function might not work.

Page 43 Display screen 39.6 cm (15.6") LCD screen, is configured with the following resolution: HD, 1366 horizontal x 768 vertical pixels FHD, 1920 horizontal x 1080 vertical pixels Be aware that, when the computer is operating on the AC adaptor, the image displayed on the internal screen is somewhat brighter than when it operates on battery power.

Page 44: Internal Hardware Components

Pad. Some models are equipped with the Touch Pad ON/OFF icon. TOSHIBA eco icon Double tap this icon to launch the TOSHIBA eco Utility. Some models are equipped with the TOSHIBA eco icon. Internal Hardware Components This section describes the internal hardware components of your computer.

Page 45 Some models are equipped with a "Solid-State Drive (SSD)" instead of a hard disk drive. In this manual, the word "HDD" or "Hard disk drive" also refers to the SSD unless otherwise stated. SSD is a large-capacity storage device which uses Solid-State Memory in place of a magnetic disk of the hard disk.

Page 46 NVIDIA Graphic Control ® Some NVIDIA graphics models might include NVIDIA Optimus™ technology feature. ® NVIDIA Optimus™ technology intelligently optimizes notebook performance by seamlessly switching between a discrete NVIDIA GPU for great graphics performance and an Intel integrated graphics chip for sustained battery life.

Page 47 NVIDIA Graphics Controllers. However, Toshiba does not guaranty compatibility of such NVIDIA drivers with your device. TOSHIBA shall not be liable for any damage resulting from NVIDIA’s drivers. Hence, your device shall not be covered under TOSHIBA’s limited warranty.

Page 48: Power Condition Descriptions

Power Condition Descriptions The computer operating capability and battery charge status are affected by different power conditions, including whether an AC adaptor is connected and what the battery charge level is. DC IN/Battery indicator Check the DC IN/Battery indicator to determine the status of the battery pack and the power status with the AC adaptor connected.

Page 49: Chapter 4 Operating Basics

Chapter 4 Operating Basics This chapter describes the basic operations of your computer, and highlights the precautions that must be taken when using it. Using the Touch Pad The Touch Pad on the palm rest might support the following gestures: Tap once on the Touch Pad to

activate an item, such as an app.

Page 50 There are different types of keys, specifically typewriter keys, function keys, and Windows special keys. Never remove the key caps on your keyboard. Failure to do so might damage the parts under the key caps. Keyboard indicator The following figure shows the position of the CAPS LOCK indicator and NUM LOCK indicator which show the following conditions: When the CAPS LOCK indicator glows, the keyboard produces capitals when any letter is typed.

Page 51 Toggles the mode of the keyboard backlight between Timer, On, and Off. To set up the brightness, click System Settings under TOSHIBA group in All apps. Click Keyboard tab, and select a level under Keyboard Backlight Brightness Control. To set up the timer, launch the BIOS setup utility, select Power Management ->...

Page 52: Optical Disc Drive

Some functions show the toast notification at the edges of the screen. Those toast notifications are enabled by default. You can disable them in the Function Key settings. To access it, click System Settings -> Function Key under TOSHIBA group in All apps. Windows special keys The keyboard provides two keys that have special functions in Windows, ®...

Page 53 Grasp the disc tray gently and pull until it is fully opened. Figure 4-2 Pressing the eject button and pulling the disc tray open 1. Eject button Lay the disc, label side up, in the disc tray. Figure 4-3 Inserting a disc 1.

Page 54 If the disc is not seated properly when the disc tray is closed, the disc might be damaged. Also, the disc tray might not open fully when you press the eject button. Removing discs To remove the disc, do the following: Do not press the eject button while the computer is accessing the optical disc drive.

Page 55 This might cause you to either lose data or incur other damage to the drive or media. Disclaimer TOSHIBA does not assume responsibility for the following: Damage to any disc that might be caused by writing or rewriting with this product.

Page 56 Based on TOSHIBA limited compatibility testing, we suggest the following manufacturers of disc media, however, it must be noted that disc quality can affect write or rewrite success rates. Also be aware that in no event does TOSHIBA guarantee the operation, quality or performance of any disc. CD-R: TAIYO YUDEN CO., Ltd.

Page 57: Toshiba Video Player

In addition, do not use the computer on an unstable surface such as a stand. Keep mobile phones and other wireless communication devices away from the computer. TOSHIBA VIDEO PLAYER TOSHIBA VIDEO PLAYER is only provided with some models. User's Manual...

Page 58 Please be aware of the following limitations when you use the TOSHIBA VIDEO PLAYER: Notes on use This software can only be used on Windows operating system. TOSHIBA VIDEO PLAYER software is supported for playback of DVD and video file.

Page 59 VIDEO PLAYER might not function properly. Do not change the screen resolution while running the TOSHIBA VIDEO PLAYER. Do not change the display device while running the TOSHIBA VIDEO PLAYER. Starting TOSHIBA VIDEO PLAYER Use the following procedure to start TOSHIBA VIDEO PLAYER.

Page 60: Using The Accupoint

TOSHIBA VIDEO PLAYER features and instructions are explained in details in TOSHIBA VIDEO PLAYER Manual. Use the following procedure to open TOSHIBA VIDEO PLAYER Manual. Press the F1 key when TOSHIBA VIDEO PLAYER is launched and click the Help button. Using the AccuPoint To use the AccuPoint, simply push it with your finger tip in the direction you want to move the on-screen pointer.

Page 61: Using The Fingerprint Sensor

Position a new cap on the peg and press it into place. The peg is square, so be careful to align the cap’s square hole with the peg. You can buy replacement AccuPoint caps from your TOSHIBA authorized dealer. Using the Fingerprint Sensor Some models have a fingerprint utility

installed for the purpose of enrolling and recognizing fingerprints.

Page 62 becomes visible. In performing this process, you should also take care to ensure that the center of your fingerprint is on the sensor. The following illustrations show the recommended way to swipe your finger over the fingerprint sensor. Figure 4-6 Swipe the finger 1.

Page 63 You can back up the fingerprint data or the information registered to Web Site Passwords. Use Import/Export in TOSHIBA Fingerprint Utility main menu. Also refer to the fingerprint utility Help file for more information by clicking ? in TOSHIBA Fingerprint Utility main menu.

Page 64 TOSHIBA does not guarantee that the fingerprint utility technology will be completely secure or error-free, or that it will accurately screen out unauthorized users at all times. TOSHIBA is not liable for any failure or damage that might arise out of the use of the fingerprint software.

Page 65 "Do you want to quit?" is displayed. Click OK. It will be returned to the TOSHIBA Fingerprint Utility main menu. Delete all users fingerprints In the TOSHIBA Fingerprint Utility main menu, click Run as administrator. User Account Control window is displayed. Click Yes.

Page 66 System Authentication screen is displayed. This will switch the password input screen across to the keyboard-based one. You must ensure that you use the TOSHIBA Password Utility to register a User Password before using the Fingerprint Pre-Boot authentication and its extended function to allow fingerprints to be used to access the computer when it is turned on.

Page 67: Battery

How to Enable Fingerprint Pre-Boot authentication and Single Sign-On feature It is necessary to first enroll your fingerprint with the TOSHIBA Fingerprint Utility prior to enabling and configuring the Pre-Boot authentication and Single Sign-On feature. You should check that your fingerprint is enrolled before configuring the settings.

Page 68 If the RTC battery becomes completely discharged, the system will lose this information and the real- time clock and calendar will stop working. You can change the Real-Time Clock settings in the TOSHIBA Setup Utility. Refer to Real Time Clock for further information.

Page 69 Never remove the battery pack while the Wake-up on LAN function is enabled, as data will be lost. Before you remove a battery pack, disable the Wake-up on LAN function. Charging the batteries When the power in the battery pack becomes low, the DC IN/Battery indicator flashes amber to indicate that only a few minutes of battery power remain.

Page 70 The battery is nearly completely discharged. In this instance, leave the AC adaptor connected for a few minutes and the battery should begin charging. The DC IN/Battery indicator might show a rapid decrease in battery operating time when you try to charge a battery under the following conditions: The battery has not been used for a long time.

Page 71 How you use optional devices, such as a USB device, to which the battery supplies power Where you store your programs and data Whether you close the display panel when you are not using the keyboard - closing the display saves power The environmental temperature - operating time decreases at low temperatures System Sleep Mode...

Page 72 Replacing the battery pack Be aware that the battery pack is classified as a consumable item. The operating life of the battery pack will gradually reduce through repeated charging and discharging, and should be replaced when it reaches the end of its operating life. In addition to this, you might also replace a discharged battery pack with a charged spare when you are operating your computer away from an AC power source for an extended period of time.

Page 73: Wireless Wan Device

Figure 4-7 Releasing the battery pack 1. Battery lock 3. Battery pack 2. Battery release latch Installing the battery pack To install a battery pack, do the following: Do not touch the battery release latch while holding the computer or the battery pack might fall out due to the

unintentional release of the battery release latch and cause injuries.

Page 74 To pop the SIM card tray partially open, insert a slender object (about 10mm, diameter 0.8mm), such as a straightened paper clip, into the eject hole. Gently pull to open the SIM card tray. Never pull the SIM card tray completely out of the slot. Figure 4-8 Open the SIM card tray with the eject hole 1.

Page 75: Gps Function

Never allow metal objects, such as screws, staples and paper clips, to enter the computer. Foreign metal objects can create a short circuit, which can cause computer damage and fire, possibly resulting in serious injury. Do not touch the connectors on the SIM card or on the computer. Debris on the connectors might cause access problems.

Page 76 When installing or removing a memory module, you must ensure that you do not touch any other internal areas of the computer. Use only memory modules approved by TOSHIBA. Do not try to install or remove a memory module under the following conditions.

Page 77 Slide your fingernail or a thin object under the cover and lift it off. Figure 4-10 Removing the memory module cover 1. Screw 2. Memory module cover Align the notch of the memory module with that of the memory slot and gently insert the module into the slot at about a 30 degree angle before holding it down until the latches on either side snap into place.

Page 78 Align the grooves along the edges of the memory module with the locking tabs on the connector and insert the module into the connector firmly. If you find it difficult to install the memory module, gently prise the locking tabs outwards using the tip of your finger. Also ensure that you hold the memory module along its left and right hand edges - the edges with the grooves in.

Page 79: Lan

Grasp the module by its edges and remove it from the computer. If you use the computer for a long time, the memory modules and the circuits locating close to the memory modules will become hot. In this case, let them cool to room temperature before you replace them. Or you will get burnt if you touch any of them.

Page 80 LAN cable types The computer must be configured properly before connecting to a LAN. Logging onto a LAN using the computer’s default settings might cause a malfunction in LAN operation. Check with your LAN administrator regarding set-up procedures. If you are using Gigabit Ethernet LAN (1000 megabits per second, 1000BASE-T), be sure to connect with a CAT5e cable or higher.

Page 81: Memory Media

Plug the other end of the cable into a LAN hub connector or router. Check with your LAN administrator and hardware or software vendor before using or configuring a network connection. Memory media The computer is equipped with a memory media slot that can accommodate some kinds of memory media with various memory capacities so that you can easily transfer data from devices, such as digital cameras and Personal Digital Assistants.

Page 82 The SD memory card logo is (The SDHC memory card logo is (The SDXC memory card logo is (The maximum capacity of SD memory cards is 2 GB. The maximum capacity of SDHC memory cards is 32 GB. The maximum capacity of SDXC memory cards is 128 GB.

Page 83 For more details on using memory cards, see manuals accompanying the cards. About the write-protect feature Memory media cards have a write-protect function. SD Card (SD memory card, SDHC memory card and SDXC memory card) Set the write-protect switch to the lock position, if you do not want to record data.

Page 84: Smart Card

Removing memory media The following instructions apply to all types of supported media devices. To remove memory media, do the following: Click the Safely Remove Hardware and Eject Media icon on the Windows Taskbar. Select memory media. Push the memory media until you hear a click to partially release it. Grasp the media and remove it.

Page 85: External Display

Press the Smart Card gently to ensure a firm connection is made. The computer will identify the Smart Card and display an icon in the Windows Taskbar. When inserting a Smart Card into the Smart Card slot, make sure to confirm that the card is oriented correctly before inserting.

Page 86 External RGB monitor port An external analog monitor can be connected to the External RGB monitor port on the computer. To connect an external analog monitor, do the following: Connect the RGB cable to the External RGB monitor port. There are no fastening screws for an external monitor cable on the External RGB monitor port.

Page 87 Figure 4-18 Connecting the HDMI out port 1. HDMI out port 2. HDMI cable Do not plug/unplug an HDMI device under the following conditions: The system is starting up. The system is shutting down. When you connect a television or external monitor to the HDMI port, the display output device is set to HDMI.

Page 88 documents, streamed/local media contents or other online contents can be shared wirelessly with others. To use wireless display, either one of the following devices is required: A compatible external display with built-in support for wireless display. An external display with HDMI port and a wireless display adaptor. The wireless display adaptor is a device that connects to the external display via HDMI port and can receive Wi-Fi signals from your computer.

Page 89: Toshiba Hi-Speed Port Replicator Iii 180W/120W

TOSHIBA Hi-Speed Port Replicator III 180W/ 120W In addition to the ports available on the computer, the TOSHIBA Hi-Speed Port Replicator III 180W/120W also provides several kinds of ports. The Port Replicator connects directly to the docking interface on the underside of the computer.

Page 90: Security Lock

1. Docking port (computer) Product appearance depends on the model you purchased. Make sure the AC adaptor is always connected to the TOSHIBA Hi-Speed Port Replicator III 180W/120W while in use. Otherwise the Port Replicator will stop working, possibly resulting in data loss.

Page 91: Optional Toshiba Accessories

Battery section for further information. TOSHIBA Hi-Speed TOSHIBA Hi-Speed Port Replicator III 180W/ Port Replicator III 120W provides several kinds of ports. Refer to 180W/120W the Port Replicator’s User's Manual for more details.

Page 92 To adjust the volume level of an application that you are using, move the slider for the corresponding application. Microphone Level To change the microphone recording level, do the following: Right-click on the speaker icon on the Windows Taskbar, and select Recording devices from the sub menu.

Page 93 DTS Studio Sound DTS Studio Sound™ is a premium audio enhancement suite that utilizes revolutionary audio technology to provide the most immersive and realistic listening experience ever offered for a two speaker playback environment. DTS Studio Sound is provided with some models. It provides the following features: Advanced audio rendering to match 2D and 3D video content for enveloping surround sound...

Page 94 When audio power management is disabled, the button is black and concave. Speaker Configuration Click the Auto Test button to confirm the internal speakers or the headphone sound is coming from the right direction. Default Format You can change the sample rate and bit depth of sound. Headphone/Microphone selection To change the type of headphone or microphone, do the following: Plug a headphone or microphone into the headphone/microphone...

Page 95: Chapter 5 Utilities And Advanced Usage

This utility is only provided with some models. To access this utility, click Display Utility under TOSHIBA group in All apps. For details on TOSHIBA Display Utility, see the help file. TOSHIBA Password This utility allows you to set a password in order Utility to restrict access to the computer.

Page 96 Depending on the usage situation, the life cycle of the battery might not be

extended properly. To access this utility, click eco Utility under TOSHIBA group in All apps. For details on TOSHIBA eco utility, see the help file. TOSHIBA Service This application allows your computer to...

Page 97 To access this utility, click PC Health Monitor under TOSHIBA group in All apps. This utility is only provided with some models. For details on TOSHIBA PC Health Monitor, see the help file. ® ® Bluetooth...

Page 98: Special Features

You might not have all the software listed in this section depending on the model you purchased. Special features The following features are either unique to TOSHIBA computers or are advanced features which make the computer more convenient to use. Access each function using the following procedures.

Page 99 Internal storage drive This feature automatically cuts off power to the internal storage drive when it is not accessed for automatic power off a specified time, with power being restored when the internal storage drive is next accessed. This can be specified in the Power Options. System automatic This feature automatically shuts down the system Sleep/Hibernation...

Page 100: Toshiba Password Utility

In this instance, all unsaved data in memory will be lost. TOSHIBA Password Utility The TOSHIBA Password Utility provides two levels of password security: User and Supervisor. Passwords set by the TOSHIBA Password Utility function are different from the Windows password. User's Manual...

Page 101 User Password To start the utility, click the following items under TOSHIBA group in All apps: Password Utility -> User Password User authentication might be required to validate user rights when using TOSHIBA Password Utility to delete or change passwords, and so on.

Page 102 If you forget your HDD User Password, TOSHIBA will NOT be able to assist you, and your HDD will be rendered COMPLETELY and PERMANENTLY INOPERABLE. TOSHIBA will NOT be held responsible for any loss of any data, any loss of use or access to your HDD, or for any other losses to you or any other person or organization that result from the loss of access to your HDD.

Page 103: Toshiba System Settings

To run TOSHIBA System Settings, click System Settings under TOSHIBA group in All apps. The TOSHIBA System Settings window contains a number of tabs to allow specific functions of the computer to be configured. In addition there are also three buttons: OK, Cancel and Apply.

Page 104: Usb Charge

Sleep Mode, Hibernation Mode, or shutdown state. To set USB Sleep and Charge feature, click System Settings -> Sleep Utilites under TOSHIBA group in All apps. Move the slider to enable or disable the Sleep and Charge function. The Sleep and Charge function might not work with certain external devices even if they are compliant with the USB specification.

Page 105 If Sleep and Charge function is enabled, the computer’s battery discharges during hibernation or when the computer is turned off. It is recommended that you connect the AC adaptor to the computer while using Sleep and Charge function. External devices connected to the USB bus power (DC5V) function that interfaces with the power ON/OFF of the computer might always be in an operational state.

Page 106: Toshiba Pc Health Monitor

“System ON CDP Charge Mode” and “USB Sleep and Charge function”. TOSHIBA PC Health Monitor The TOSHIBA PC Health Monitor application proactively monitors a number of system functions such as power consumption, battery health (for models with battery), and the system cooling, informing you of significant system conditions.

Page 107 You can disable the TOSHIBA PC Health Monitor at any time by uninstalling the software via Uninstall a program in the Control Panel.

Page 108: Using The Hard Disk Drive (Hdd) Protection

You can change HDD Protection settings. To open the utility, click System Settings -> HDD Protection under TOSHIBA group in All apps. The utility can also be started from the icon in the Taskbar or from the Control Panel. HDD Protection You can enable or disable HDD Protection by moving the slider to the right or left.

Page 109 There are the following conditions for HDD Protection icon. Normal TOSHIBA HDD Protection is enabled. Protection TOSHIBA HDD Protection is active. The Hard Disk Drive head is in a safe position. TOSHIBA HDD Protection is disabled. Detection Level There are four sensitivity levels in which vibrations, impacts and their similar signs are detected can be set to OFF, 1, 2 and 3 in ascending order.

Page 110: Toshiba Setup Utility

Intensely shaking the computer or other subjecting it to strong impacts might damage to the computer. TOSHIBA Setup Utility TOSHIBA Setup Utility is a BIOS setup utility that provides you a menu- based user interface so that you can easily view and change BIOS settings.

Page 111: Troubleshooting

In reality many problems can be solved simply, but a few might require help from TOSHIBA Support. If you find you need to consult others, be prepared to describe the problem in as much detail as possible.

Page 112 Always try to make detailed notes of your observations and keep them in a permanent error log - this helps you to describe your problems to TOSHIBA Support. In addition, if a problem recurs, the log you have made helps to identify the problem faster.

Page 113 Before using a peripheral device or application software that is not an authorized TOSHIBA part or product, make sure that the device or software can be used with your computer. Use of incompatible devices might cause injury or might damage your computer.

Page 114: Hardware And System Checklist

By holding down one of the following keys during startup, your computer can load the following advanced options. Advanced option TOSHIBA Setup Utility Boot Menu 0 (zero) Recovery options If your computer starts to load the Operating System instead of desired advanced options, do the following: Click Start ->...

Page 115 If the computer has reached room temperature and it still does not start, or if it starts but shuts down quickly, contact TOSHIBA Support. AC power If you have trouble turning on the computer with the AC adaptor connected, check the status of the DC IN/Battery indicator.

Page 116 However, if you do not believe the battery is at the end of its operating life, you should speak to TOSHIBA Support. Battery does not If you frequently recharge a partially charged...

Page 117 The RTC battery should be replaced only by your dealer or by a TOSHIBA servicere presentative, and then set the date/time in the TOSHIBA Setup Utility by using the following steps: Launch the TOSHIBA Setup Utility.

Page 118 - if so remove it and try to start the storage computer again. If this has no effect, check the Boot Priority Options setting within the TOSHIBA System Settings. Slow performance The files on the HDD might be fragmented. In this...

Page 119 If you are still unable to resolve the problem, contact TOSHIBA Support. Pointing device If you are using a USB mouse, you should also refer to both the mouse section and the documentation supplied with your mouse.

Page 120 To access it, click Control Panel -> Hardware too sensitive or not and Sound -> Mouse under Windows System sensitive enough. group in All apps. If you are still unable to resolve the problem, contact TOSHIBA Support. User's Manual 6-10...

Page 121 If you are still unable to resolve the problem, contact TOSHIBA Support. USB device

In addition to the information in this section, also refer to the documentation supplied with your USB device.

Page 122 Volume cannot be adjusted during Windows start up or shut down. If you are still unable to resolve the problem, contact TOSHIBA Support. External monitor Also refer to Operating Basics, and to the documentation supplied with your monitor for further information.

Page 123 Display error occurs Check that the cable connecting the external monitor to the computer is firmly attached. If you are still unable to resolve the problem, contact TOSHIBA Support. Problem Procedure Cannot access LAN Check for a firm cable connection between the LAN jack and the LAN hub.

Page 124 Bluetooth device is turned Check to ensure that no optional Bluetooth Adaptor is installed in the computer. The built-in Bluetooth hardware cannot operate simultaneously with another Bluetooth controller. If you are still unable to resolve the problem, contact TOSHIBA Support. User's Manual 6-14...

Page 125: Toshiba Support

TOSHIBA support If you require any additional help using your computer or if you are having problems operating the computer, you might need to contact TOSHIBA for additional technical assistance. Before you call Some problems you experience might be related to software or the operating system so it is important that you investigate other sources of assistance first.

Page 126: Appendix Specifications

Chapter 7 Appendix Specifications This section summarizes the technical specifications of the computer. Physical Dimensions The following physical dimensions do not include parts that extend beyond the main body. The physical dimensions vary depending on the model you purchased. Size Approximately 379.0 (w) x 258.0 (d) x 23.35~23.95 (h) millimeters (not including parts that extend beyond the main body).

Page 127: Ac Power Cord And Connectors

External RGB monitor port pin assignment Signal Name Description Red Video Signal Green Video Signal Blue Video Signal Reserved Reserved Ground Ground Ground Ground Power Supply Ground Reserved Reserved Serial Data Signal HSYNC Horizontal Sync Signal VSYNC Vertical Sync Signal Serial Clock Signal I/O (I): Input to computer I/O (O): Output from computer...

Page 128 Certification agencies China: U.S. and Canada: UL listed and CSA certified No. 18 AWG, Type SVT or SPT-2 Australia: Japan: DENANHO Europe: Austria: Italy: Belgium: CEBEC The Netherlands: KEMA Denmark: DEMKO Norway: NEMKO Finland: FIMKO Sweden: SEMKO France: LCIE Switzerland: Germany: United Kingdom: In Europe, two conductors power cord must be VDE type, H05VVH2-F or...

Page 129: Information For Wireless Devices

Australia Europe AS approved Approved by the appropriate agency Canada China CSA approved CCC approved State of Israel SII approved Information for Wireless Devices Wireless Technology Interoperability The Wireless LAN is compatible with other LAN systems Direct Sequence Spread Spectrum (DSSS) /Orthogonal Frequency Division Multiplexing (OFDM) radio technology, and is compliant to: The IEEE 802.11 Standard on Wireless LANs (Revision a/b/g/n, b/g/n or Revision a/b/g/n/ac), as defined and approved by the Institute of...

Page 130 Because wireless products operate within the guidelines found in radio frequency safety standards and recommendations, TOSHIBA believes wireless products are safe for use by consumers. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature.

Page 131 If this occurs, the outsider might illegally access your system, eavesdrop, or cause the loss or destruction of stored data. TOSHIBA is not liable for the loss of data due to eavesdropping or illegal access through the wireless LAN and the damage thereof. Card Specifications Compatibility IEEE 802.11 Standard for Wireless LANs...

Page 132 Radio Frequency Band 5 GHz (5150-5850 MHz) (Revision a and n) Band 2.4 GHz (2400-2483.5 MHz) (Revision b/g and n) The range of the wireless signal is related to the

transmit rate of the wireless communication. Communications at lower transmit range might travel larger distances.

Page 133 Radio links You can easily establish links between two or more devices, with these links being maintained even if the devices are not within a line-of-sight of each other. Radio Regulatory Information The Wireless device must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product.

Page 134 Russian Limited e.i.r.p 100mW. Permitted to use Federation: only for indoor applications, closed industrial and warehouse areas, and on board aircraft. Permitted to use for local networks of aircraft crew service communications on board aircraft in area of the airport and at all stages of flight.

Page 135 check the current channel of operation. If operation is occurring outside of the allowable frequencies for outdoor use, as listed above, the user must contact the applicable national spectrum regulator to request a license for outdoor operation. Canada - Industry Canada (IC) This device complies with RSS-210 of the Industry Canada Rules.

Page 136 The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website www.hc-sc.gc.ca Caution: Radio Frequency Interference Requirements This device is restricted to indoor use due to its operation in the 5.15 to...

Page 137 If this equipment causes RF interference to other radio stations, promptly change the frequency being used, change the location of use, or turn off the source of emissions. Contact an authorized TOSHIBA service provider if you have problems with interference caused by this product to Other Radio Stations.

Page 138 This equipment is approved to the radio standard by the countries/regions in the following table. If you use this equipment in the countries/regions which are not listed in the following table, contact TOSHIBA Support. As of December 2015 Austria Belgium...

Page 139: Information About Intel Amt

Ireland Italy Japan Korea Latvia Liechtenstein Lithuania Luxemburg Malta Monaco Netherlands Norway Philippines Poland Portugal Romania Slovak Republic Slovenia Spain Sweden Switzerland Information about Intel AMT ® Your computer might support Intel Active Management Technology (AMT) depending on the model you purchased. Using built-in platform capabilities and popular third-party management and security applications, Intel AMT allows IT to better discover, heal, and protect their networked computing assets.

Page 140 Enter a new password. Password must comply with the following requirements concerning character types and length: Must be between 8 and 32 characters long. Must contain at least one number ("0", "1-9"). Must contain a mix of lower-case ("a", "b", "z", etc.) and upper-case ("A", "B", "Z", etc.) letter.

Page 141 When using the computer with the AC adaptor connected and the AMT function set to enabled, power might still be supplied to the system memory even when the computer power is turned off, or the computer is in Sleep Mode or Hibernation Mode. When connecting the AC adaptor, the computer is powered and can be turned on.

Page 142: Legal Footnotes

For optimum performance, use your computer product only under recommended conditions. Read additional restrictions in your product documentation. Contact TOSHIBA technical service and support, refer to TOSHIBA support section for more information.

Page 143 Published battery life numbers are achieved on select models and configurations tested by TOSHIBA at the time of publication. Recharge time varies depending on usage. Battery might not charge while computer is consuming full power.

Page 144: Vcci Class B Information (Japan Only)

Over a period of time, and depending on the usage of the computer, the brightness of the LCD

screen will deteriorate. This is an intrinsic characteristic of LCD technology. Maximum brightness is only available when operating in AC power mode. Screen dims when the computer is operated on battery power and you might not be able to increase the brightness of the screen.

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This manual is also suitable for:

Satellite pro a50-cSatellite pro r50-cTecra z50-c