



Toshiba DX1210 series User Manual

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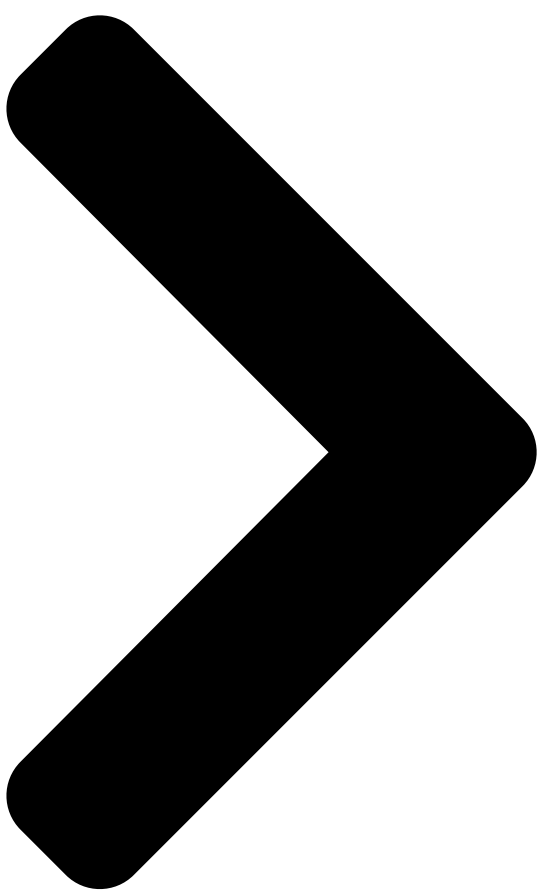
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TOSHIBA
User's Manual
Leading Innovation >>>
TOSHIBA DX1210
Series

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[Desktop Toshiba DX1210-ST4N22 User Manual](#)

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[Desktop Toshiba Qosmio DX730 Series User Manual](#)

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[Desktop Toshiba DX 730 User Manual](#)

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[Desktop Toshiba STOR.E CANVIO User Manual](#)

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[Desktop Toshiba dynaEdge DE-100 Series User Manual](#)

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[Desktop Toshiba PORTÉGÉ M700 Maintenance Manual](#)

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[Desktop Toshiba Libretto 100CT User Manual](#)

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[Page 6: Fcc Information](#)

Only peripherals complying with the FCC class B limits may be attached to this equipment. Operation with non-compliant peripherals or peripherals not recommended by 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 Universal Serial Bus (USB 2.0/3.0) ports,...

[Page 7: Video Standard Notice](#)

Contact Address: TOSHIBA America Information Systems, Inc. 9740 Irvine Boulevard Irvine, California 92618-1697 Telephone: (949) 583-3000 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")

[Page 8: Optical Disc Drive Safety Instructions](#)

Optical disc drive safety instructions Be sure to check the precautions at the end of this section. ■ The DVD Super Multi/Blu-ray Writer/Blu-ray Combo drive model employs a laser system. To ensure proper use of this product, please read this instruction manual carefully and retain for future reference. Should the unit ever require maintenance, contact an authorized service location.

[Page 9](#) Hitachi-LG Data Storage, Inc. 22-23,KAIGAN 3-CHOME, MINATO-KU,TOKYO,108-0022 JAPAN Pioneer Corporation Blu-ray Writer drive BDR-TD04 ■ User's Manual...

[Page 10: Precautions](#)

Precautions CAUTION: This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT."To use this model properly, read the instruction manual carefully and keep this manual for your future reference. In case of any trouble with this model, please contact your nearest "AUTHORIZED service station."...

[Page 11: Preface](#)

Preface Congratulations on your purchase of this computer. This powerful computer provides excellent expansion capability, includes multimedia functionality, and is designed to provide years of reliable, high-performance computing. This manual tells how to set up and begin using your computer. It also provides detailed information on configuring your computer, basic operations and care, using optional devices and troubleshooting.

[Page 12: Key Operation](#)

Icons Icons identify ports, dials, and other parts of your computer. The indicator panel also uses icons to identify the components it is providing information Keys The keyboard keys are used in the text to describe many computer operations. A distinctive typeface identifies the key top symbols as they appear on the keyboard.

[Page 13](#) Terminology This term is defined in this document as follows: Start The word "Start" refers to the " " button in Windows 7. User's Manual xiii...

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

[Page 15: Stress Injury](#)

To keep your computer in prime operating condition, protect your work area from: ■ Dust, moisture, and direct sunlight. ■ Equipment that generates a strong electromagnetic field, such as stereo speakers (other than speakers that are connected to the computer) or speakerphones.

■...

[Page 16: Pressure Or Impact Damage](#)

Pressure or impact damage Do not apply heavy pressure to the computer or subject it to any form of strong impact as this can damage the computer's components or otherwise cause it to malfunction. Mobile phones Please be aware that the use of mobile phones can interfere with the audio system.

[Page 17: Equipment Checklist](#)

Some of the features described in this manual may not function properly if you use an operating system that was not pre-installed by TOSHIBA. Equipment checklist Carefully unpack your computer, taking care to save the box and packaging materials for future use.

[Page 18](#) ■ TOSHIBA Media Controller ■ Online Manual ■ TOSHIBA DX1210 Series User's Manual (This manual) * You may not have all the softwares listed above depending on the model you purchased. Getting Started ■ All users should be sure to read the section Starting up for the first time.

[Page 19](#) Getting Started ■ Installing the battery of the keyboard and mouse ■ Turning on the power ■ Starting up for the first time ■ Turning off the power ■ Restarting the computer ■ System Recovery Options ■ Creating Recovery Media ■...

[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 could cause fire or damage to the computer possibly resulting in serious injury.

[Page 21](#) Getting Started 1. Connect the power cord to the AC adaptor. Figure 1-1 Connecting the power cord to the AC adaptor (2-pin plug) Figure 1-2 Connecting the power cord to the AC adaptor (3-pin plug) Either a 2-pin or 3-pin adaptor/cord will be included with the computer depending on the model.

[Page 22](#) Getting Started Connecting the keyboard/mouse to the computer In order to normally use the wireless keyboard and mouse, make a connection between the computer and keyboard/mouse firstly, by the following steps: 1. Open the wireless receiver cover on your computer. 2.

[Page 23: Turning On The Power](#)

Getting Started 3. Close the battery cover. Installing the battery of the keyboard 1. Open the battery cover on your wireless keyboard. 2. Put two AA batteries into the battery groove. 1. Battery cover 2. Battery Figure 1-6 Installing the battery of the keyboard 3.

[Page 24: Starting Up For The First Time](#)

Getting Started 1. Power button Figure 1-7 Turning on the power ■ Press the power button on the wireless keyboard. 1. Power button Figure 1-8 Pressing the power button Starting up for the first time The Windows 7 Startup Screen will be the first screen displayed when you turn on the power.

[Page 25: Sleep Mode](#)

Getting Started ■ Make sure the Hard Disk Drive/Optical Disc Drive/Memory Media slot indicator is off. If you turn off the power while a disk (disc) is being accessed, you may lose data or damage the disk. ■ Never turn off the power while an application is running. Doing so could cause loss of data.

[Page 26](#) Getting Started ■ When the AC adaptor is connected, the computer will go into Sleep Mode according to the settings in the Power Options (to access it, click Start → Control Panel → System and Security → Power Options). ■ To restore the operation of the computer from Sleep Mode, press and hold the power button or any key on the keyboard for a short amount of time.

[Page 27: Hibernation Mode](#)

Getting Started Hibernation Mode The Hibernation Mode feature saves the contents of memory to the hard disk drive when the computer is turned off so that, the next time it is turned on, the previous state is restored. Please note that the Hibernation Mode feature does not save the status of any peripheral devices connected to the computer.

[Page 28: Restarting The Computer](#)

Getting Started Automatic Hibernation Mode The computer can be configured to enter Hibernation Mode automatically when you press the power button. In order to define these settings, you can follow the steps as described below: 1. Click Start and click the Control Panel. 2.

[Page 29: System Recovery Options](#)

Getting Started System Recovery Options There is a hidden partition allocated on the hard disk drive for the System Recovery Options. This partition stores files which can be used to repair the system in the event of a problem. System Recovery Options The System Recovery Options feature is installed on the hard disk when shipped from the factory.

[Page 30](#) Getting Started ■ Be sure to connect the AC adaptor when you create Recovery Media. ■ Be sure to close all other software programs except the Recovery Media Creator. ■ Do not run software such as screen savers which can put a heavy load on the CPU.

[Page 31](#) Getting Started Restoring the pre-installed software from the Recovery hard disk drive A portion of the total hard disk drive space is configured as a hidden recovery partition. This partition stores files which can be used to restore pre-installed software in the event of a problem. If you subsequently set up your hard disk drive again, do not change, delete or add partitions in a manner other than specified in the manual, otherwise you may find that space for the required software is not available.

[Page 32](#) 4. A menu will be displayed from which you should follow the on-screen instructions. When drivers/utilities are installed, you can setup the respective drivers/utilities from the following place. To open the setup files, click Start → All Programs → TOSHIBA → Support & Recovery → Applications and Drivers. User's Manual 1-16...

[Page 33: Chapter 2 The Grand Tour](#)

Chapter 2 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, please refer to the Legal Footnotes section in Appendix F.

[Page 34](#) The Grand Tour 1. Bluetooth antenna, Wireless LAN 6. Power button antennas (not shown)* 2. Microphone 7. System indicators 3. Web Camera LED 8. Stereo speakers 4. Web Camera 9. Display screen 5. CIR in Window* *Provided with some models. Product appearance may vary depending on the model you have purchased.

[Page 35](#) You can use it for video chatting or video conferences using a communication tool such as Windows Live Messenger. TOSHIBA Web Camera Application will help you to add various video effects to your video or photograph.

[Page 36: Left Side](#)

The Grand Tour Left side The following figure shows the computer's left side. 3. Microphone jack 1. Memory media slot 4. Universal Serial Bus (USB 3.0) ports 2. Headphone jack Figure 2-2 Left side of the computer Memory media slot This slot lets you insert an SD™/SDHC™/SDXC™...

[Page 37: Right Side](#)

The Grand Tour Universal Serial Bus Two Universal Serial Bus ports, which comply to (USB 3.0) ports the USB 3.0 standard, are provided on the left hand side of the computer. The port with the icon () has Sleep and Charge function.

[Page 38](#) The Grand Tour Display off button Pressing this button to turn off the computer's display panel. AV select button Pressing this button to switch the AV input mode. Brightness up Pressing this button to increase the computer's button display panel brightness. Brightness

down Pressing this button to decrease the computer's button...

[Page 39](#) The Grand Tour Back side The following figure shows the computer's back side. 1. Cooling vents 6. Wireless receiver (dongle) slot 2. Memory module slots 7. TV antenna jack* 3. DC IN 19V jack 8. Security lock slot 4. LAN jack 9.

[Page 40](#) The Grand Tour Memory module slot The memory module slot allows for the installation, replacement and removal of additional memory module. Refer to the Additional memory module section in Chapter 3, Hardware, Utilities and Options. DC IN 19V jack The AC adaptor connects to this jack in order to power the computer.

[Page 41: Wireless Keyboard](#)

Power button Pressing this button to turn the computer on and (computer) off. eco button Pressing this button to turn the TOSHIBA eco utility on and off. Mute button Pressing this button to turn the mute function on and off.

[Page 42: Wireless Mouse](#)

The Grand Tour Back The following figure shows the back of the wireless keyboard. 1. Stand 3. Power switch (keyboard) 2. Battery cover 4. Stand Figure 2-6 Back of the wireless keyboard Stand Used to let the keyboard tilted at an angle. Battery cover Used to cover the battery of the keyboard.

[Page 43: Remote Controller](#)

The Grand Tour Right-click Using for normal right controls of the mouse. Wheel Using for vertical or horizontal screen scrolling. Battery indicator This indicator normally glows when the mouse is (mouse) turned on. Glowing for ten seconds shows the battery of the mouse is fully charged while blinking for ten seconds (one second on, one second off) shows the battery of the mouse is low.

[Page 44](#) The Grand Tour Using the remote controller, you can: ■ Navigate and control all Media Center windows. ■ Control the video or live TV display. ■ Place the computer in and out of Sleep Mode. Refer to the Remote controller section for information on how to use the remote controller.

[Page 45](#) The Grand Tour The following figure shows the front of the remote controller. 1. Play 2. Pause 3. Access indicator 4. Power 5. Stop 6. Fast Forward 7. Skip 8. Start 9. More info 10. OK 11. Mute 12. Channel/Page up (+) and down (-) 13.

[Page 46](#) The Grand Tour Power Starts or terminates the operating system. This button functions like the Power button of your computer. By default, the Sleep Mode is equivalent to the Power Off state of your computer. To change the setting, click Start → Control panel →...

[Page 47](#) The Grand Tour More Info The button provides more details on a TV program than is listed in the Guide. Arrows Moves the cursor to navigate within Media Center windows. Selects the desired action or window option. It acts like the ENTER Key. If watching TV in full screen mode, pressing OK switches back to the previous viewed channel.

[Page 48: Indicators](#)

The Grand Tour Clear Deletes entered numbers, letters or symbols. Enter The OK button on the remote controller has the same functions. Red, Green, Yellow It jumps to a registration link. and Blue buttons These buttons are not provided with some models.

[Page 49: Optical Disc Drives](#)

This section describes the types of writable CD/DVD/Blu-ray discs. Check the specifications of your drive to see the types of discs it can write. Use TOSHIBA Disc Creator and Corel Digital Studio to write compact discs. Refer to Chapter 4, Operating Basics.

[Page 50: Ac Adaptor](#)

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 could cause fire or damage to the computer possibly resulting in

serious injury.

[Page 51: Chapter 3 Hardware, Utilities And Options](#)

Your computer is equipped with one processor and processor type varies depending on model. To check which type of processor is included in your model, open the TOSHIBA PC Diagnostic Tool Utility by clicking Start → All Programs → TOSHIBA → Utilities → Support & Recovery →...

[Page 52](#) Hardware, Utilities and Options Memory Memory slots 1 GB, 2 GB or 4 GB memory modules can be installed in the computer's two memory slots for a maximum of 8 GB system memory. This computer can be equipped with memory modules of a maximum size of 8 GB.

[Page 53: Optical Disc Drive](#)

The size of the Hard Disk Drive varies depending on the model. To check which type of HDD is included in your model, open the TOSHIBA PC Diagnostic Tool Utility by clicking Start → All Programs → TOSHIBA → Utilities → Support & Recovery →...

[Page 54](#) You can use it for video chatting or video conferences using a communication tool such as Windows Live Messenger. TOSHIBA Web Camera Application will help you to add various video effects to your video or photograph.

[Page 55: Special Features](#)

Footnotes section in Appendix F. 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. *1 To access the Power Options, click Start → Control Panel → System and Security →...

[Page 56](#) Hardware, Utilities and Options Hot keys Hot keys are specific key combinations that let you quickly change the system configuration directly from the keyboard without running a system program. Display automatic This feature automatically cuts off power to the computer's display panel when there is no power off keyboard input for a specified time, with power being restored the next time a key is pressed.

[Page 57: Utilities And Applications](#)

TOSHIBA Flash The TOSHIBA Flash Cards provide a quick way Cards to modify selected system functions. ■ Hot key function...

[Page 58](#) You can play DVD-Video, DVD-R and video files. It has an on-screen interface and functions. Click Start → All Programs → TOSHIBA → Media & Entertainment → TOSHIBA VIDEO PLAYER. For more information, please refer to the...

[Page 59](#) TOSHIBA ConfigFree TOSHIBA ConfigFree is a suite of utilities that improve the ease and control of communication devices and network connections, help in the...

[Page 60](#) TOSHIBA Service This application allows your computer to Station automatically search for TOSHIBA software updates or other alerts from TOSHIBA that are specific to your computer system and its programs. When enabled, this application periodically transmits to our servers a limited...

[Page 61](#) 1. Launch Corel Label@Once (the operation varies depending on the models you purchased): ■ Click Start → All Programs → Corel Digital Studio for TOSHIBA → Corel Digital Studio for TOSHIBA → Create. Click Create Disc Label. 2. Click the General tab.

[Page 62](#) To access this utility, click Start → All Programs → TOSHIBA → Tools & Utilities → ReelTime. TOSHIBA Media This application allows you to control your music,...

[Page 63](#) Videos: To launch the Windows Media Player application. Movie Caption: To launch the TOSHIBA VIDEO PLAYER application. Please note that when you insert a Blu-ray Disc in a Blu-ray...

[Page 64: Optional Devices](#)

Hardware, Utilities and Options CyberLink YouPaint CyberLink YouPaint is a painting program

that lets children use a touch screen or a mouse to make creative digital drawings. Children can draw, use a stamp, trace and erase. Access this utility by one of the following ways: ■...

[Page 65: Memory Media](#)

Hardware, Utilities and Options ■ Keep foreign objects out of the Memory media slot. Never allow metal objects, such as screws, staples and paper clips, to enter the computer or Keyboard. Foreign metal objects can create a short circuit, which can cause computer damage and fire, possibly resulting in serious injury.

[Page 66: Card Care](#)

Hardware, Utilities and Options ■ 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 2GB. The maximum capacity of SDHC memory cards is 32GB.

[Page 67: Memory Card Care](#)

Hardware, Utilities and Options ■ Do not leave a card partially inserted in the slot. Press the card until you hear it click into place. Memory card care ■ Set the write-protect switch to the lock position, if you do not want to record data.

[Page 68: Removing A Memory Media](#)

Hardware, Utilities and Options ■ Make sure memory media is oriented properly before you insert it. If you insert the media in wrong direction, you may not be able to remove ■ When inserting memory media, do not touch the metal contacts. You could expose the storage area to static electricity, which can destroy data.

[Page 69: Additional Memory Module](#)

Use a point size 0 Phillips screwdriver to remove and fasten the screws - the use of an incorrect screwdriver can damage the screw heads. ■ Use only memory modules approved by TOSHIBA. ■ Do not try to install or remove a memory module under the following conditions.

[Page 70](#) Hardware, Utilities and Options 5. Slide your fingernail or a thin object under the cover and lift it off. 1. Memory module cover 2. Screw Figure 3-4 Removing the memory module cover 6. 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 71: Removing A Memory Module](#)

Hardware, Utilities and Options ■ The slot A is reserved for the first memory module. Use the slot B for expanded memory. If only one module is installed, use the slot A. ■ 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.

[Page 72](#) Hardware, Utilities and Options 7. 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.

[Page 73](#) Hardware, Utilities and Options 1. HDMI input port 2. HDMI cable Figure 3-8 Connecting the HDMI input port Remote controller Some computers include a remote control unit, which allows you to control some of your computer's functions from a distant location. ■...

[Page 74: Security Lock](#)

Hardware, Utilities and Options The appearance of the provided remote controller may vary from model to model. Even if within the effective scope as described above, the remote controller may malfunction or not work correctly in the following cases. ■ When an obstacle stands between the infrared receiver window of your computer and the remote controller.

[Page 75: Optional Accessories](#)

For reference, the following list details some of the items that are available from your reseller or TOSHIBA dealer: DDR3-1333 Memory A 1 GB, 2 GB or 4 GB memory module (DDR3- 1333) can

easily be installed in the computer.

[Page 76: Chapter 4 Operating Basics](#)

You can use it for video chatting or video conferences using a communication tool such as Windows Live Messenger. TOSHIBA Web Camera Application will help you to add various video effects to your video or photograph.

[Page 77](#) Operating Basics 1. Web Camera 3. Microphone 2. Web Camera LED Figure 4-1 Web Camera ■ Do not point the web camera directly at the sun. ■ Do not touch or press strongly on the web camera lens. Doing so may reduce image quality.

[Page 78: Using The Toshiba Face Recognition](#)

TOSHIBA does not guarantee that the face recognition utility 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 face recognition software or utility.

[Page 79](#) Operating Basics ■ The Registration screen is displayed for a logged-in user whose face has not been registered. ■ The Management screen is displayed for a logged-in user whose face has already been registered. 2. Click Run as administrator in lower left of the Management screen, and then click the Register button.

[Page 80](#) Delete image data, account information, and personal record data created during registration. To delete the Face Recognition Data, follow the steps as described below: 1. To launch this utility, click Start → All Programs → TOSHIBA → Utilities → Face Recognition. The Management screen is displayed.

[Page 81: Using Optical Disc Drives](#)

Operating Basics 1:1 Mode Login screen 1. Turn on the computer. 2. The Select Tiles screen will be displayed. 3. Select Start face recognition (4. The Select Account screen will be displayed. 5. Select the account, and click the arrow button. 6.

[Page 82: Loading Discs](#)

Operating Basics Loading discs To load a disc, follow the steps as detailed below: 1. When the computer's power is on, press the eject button to open the disc tray slightly. 2. Grasp the disc tray gently and pull until it is fully opened. 1.

[Page 83](#) Operating Basics ■ Do not touch the laser lens or any portion of its surrounding casing as this could cause misalignment. ■ Prevent foreign objects from entering the drive. Check the surface of the disc tray, especially the area behind the front edge of the disc tray, to make sure there are no such objects before closing the drive.

[Page 84: Writing Cd/Dvd/Blu-Ray Tm Discs](#)

DVD-RAM discs. TOSHIBA Disc Creator and Corel Digital Studio are provided as writing software with this computer. Corel Digital Studio can be used to write files in video format. TOSHIBA Disc Creator can be used to write data. ■ Please refer to the...

[Page 85](#) Layer), BD-RE or BD-RE (Dual Layer) media, however, it must be noted that disc quality can affect write or rewrite success rates. Please also be aware that in no event does TOSHIBA guarantee the operation, quality or performance of any disc.

[Page 86](#) Operating Basics DVD-R for Labelflash: FUJIFILM CORPORATION (for 16x speed media) DVD+R: MITSUBISHI KAGAKU MEDIA CO., LTD. (for 8x and 16x speed media) DVD+R DL: MITSUBISHI KAGAKU MEDIA CO., LTD. (for 2.4x and 8x speed media) DVD+R for Labelflash: FUJIFILM CORPORATION (for 16x speed media) DVD-RW: DVD Specifications for Recordable Disc for Version 1.1 or version Victor Company of Japan, Ltd.

[Page 87](#) RW, DVD+R, DVD+R DL, DVD+RW or DVD-RAM, media, however, it must be noted that disc quality can affect write or rewrite success rates. Please also be aware that in no event does TOSHIBA guarantee the operation, quality or performance of any disc.

[Page 88](#) Operating Basics DVD-RW: DVD Specifications for Recordable Disc for Version 1.1 or version Victor Company of Japan, Ltd. (JVC) (for 4x and 6x speed media) MITSUBISHI KAGAKU

MEDIA CO.,LTD. (for 4x and 6x speed media) DVD+RW: MITSUBISHI KAGAKU MEDIA CO., LTD. (for 4x and 8x speed media) DVD-RAM: DVD Specifications for DVD-RAM Disc for Version 2.0, Version 2.1 or Version 2.2...

[Page 89: When Writing Or Rewriting](#)

CD/DVD - do not try to write from shared devices such as a server or any other network device.

■ Writing with software other than TOSHIBA Disc Creator has not been confirmed, therefore operation with other software applications cannot be guaranteed.

[Page 90](#) ■ Keep mobile phones and other wireless communication devices away from the computer. TOSHIBA Disc Creator Please be aware of the following limitations when you use the TOSHIBA Disc Creator: ■ DVD-Video cannot be created using TOSHIBA Disc Creator. ■...

[Page 91: Data Verification](#)

Operating Basics ■ You might not be able to use the "Disc Backup" function of TOSHIBA Disc Creator to back up a DVD-R, DVD-R DL, DVD-RW, DVD+R, DVD+R DL or DVD+RW disc that was made with other software on a different optical media recorder.

[Page 92: How To Make A Labelflash Dvd](#)

1. Click Start → All Programs → Corel Digital Studio for TOSHIBA → Corel Digital Studio for TOSHIBA to launch Corel Digital Studio. 2. Insert a DVD-R, DVD+R, DVD-RW, DVD+RW, BD-R or BD-RE disc in the optical disc drive.

[Page 93](#) Operating Basics ■ Make sure that your computer is running on AC power when using Corel Digital Studio. ■ Operate the computer at Full Power. Do not use power-saving features. ■ While you are editing DVD, you can display preview. However, if another application is running.

[Page 94: Toshiba Video Player](#)

Blu-ray Disc players may not be able to read BD-R/RE discs. TOSHIBA VIDEO PLAYER Please be aware of the following limitations when you use the TOSHIBA VIDEO PLAYER: Notes on use ■ "TOSHIBA VIDEO PLAYER" software is supported for playback of DVD-Video and DVD-VR.

[Page 95](#) Center" to play DVD. Display Devices & Audio ■ "TOSHIBA VIDEO PLAYER" will only run when "Colors" is set to "True color (32 bit)". Click Start → Control Panel → Appearance and Personalization → Display → Adjust resolution → Advanced settings.

[Page 96: Using Windvd Bd For Toshiba](#)

Play DVD movie (using TOSHIBA VIDEO PLAYER) to launch the TOSHIBA VIDEO PLAYER. 2. Select Start → All Programs → TOSHIBA → Media & Entertainment → TOSHIBA VIDEO PLAYER to start "TOSHIBA VIDEO PLAYER". Operating TOSHIBA VIDEO PLAYER Notes on Using "TOSHIBA VIDEO PLAYER".

[Page 97](#) Operating Basics ■ Do not switch to Sleep or Hibernation Mode while WinDVD BD is running. Make sure to close WinDVD BD for TOSHIBA before going into either Sleep or Hibernation Mode. ■ Because Blu-ray Disc playback operates according to programs built into the content, operation methods, operation screens, sound effects, icons and other features may vary from disc to disc.

[Page 98: Media Care](#)

Top Menu or Menu buttons and mouse menu operations may not be able to be used. Open WinDVD BD for TOSHIBA HELP WinDVD BD for TOSHIBA features and instructions are also explained in detail in "WinDVD Help". Use the following procedure to open "WinDVD Help".

[Page 99: Tv Tuner](#)

Operating Basics 7. If your CD/DVD/Blu-ray discs become dusty or dirty, wipe them with a clean dry cloth from the center hole outwards - do not wipe in a circular direction. If necessary, you can use a cloth that has been lightly dampened in water or a neutral cleaner but you must not use benzine, thinner or any similar cleaning solution.

[Page 100: Sound System](#)

Operating Basics If you have to operate your computer during a thunderstorm and are connecting the TV tuner to an outside antenna, you should operate your computer using AC power mode. The AC adaptor offers some protection against (but does not entirely prevent) possible electric shock caused by lightning.

[Page 101: Power Management](#)

Operating Basics This section explains how to select an existing scheme or save one you have modified. To launch the configuration dialog window for system sounds, follow the steps below.
1. Right-click the Speakers icon on the taskbar. 2. Select Sounds from the menu. **Realtek HD Audio Manager** You can confirm and change the audio configuration using the Realtek HD Audio Manager.

Page 102 **Operating Basics** **Microphone Effects** Microphone Effects are only found within Microphone window. ■ **Noise Suppression** - reduces background noise and fan noise. ■ **Acoustic Echo - Cancellation** reduces feedback and feedback echo. **Default Format** You can change the sample rate and bit depth of sound. **Dolby Advanced Audio** Dolby Advanced Audio provides a stunning listening experience from any pair of speakers or headphones.

[Page 103: Wireless Communications](#)

Operating Basics **Notes on Using the Microphone** You can use the built-in or an external microphone that connects to the microphone jack to record monaural sounds into your applications. It can also be used to issue voice commands to applications that support such functions (built-in microphone is provided with some models).

[Page 104: Wireless Lan](#)

■ TOSHIBA is not liable for the loss of data due to eavesdropping or illegal access through the wireless LAN and the damage thereof. User's Manual 4-29...

[Page 105: Bluetooth Wireless Technology](#)

This Bluetooth Stack is based on the Bluetooth Version 1.1/1.2/2.0+EDR/2.1+EDR/3.0/3.0+HS specification. However, TOSHIBA cannot confirm the compatibility between any computing products and/or other electronic devices that use Bluetooth, other than TOSHIBA computers. Release Notes related to the Bluetooth Stack for Windows by TOSHIBA 1.

[Page 106: Lan](#)

The latest information regarding operating system support, language support or available upgrades can be found on our web site
<http://www.toshiba-europe.com/computers/tnt/bluetooth.htm> in Europe or
www.pcsupport.toshiba.com in the United States. **Enable/Disable Wireless communication** You can enable or disable Wireless communication functions by pressing FN + F8.

Page 107 **Operating Basics** ■ Connect the AC adaptor before connecting the LAN cable. The AC adaptor must remain connected during LAN use. If you disconnect the AC Adaptor while the computer is accessing a LAN, the system may hang up. ■ Do not connect any other cable to the LAN jack except the LAN cable.

[Page 108: Computer Handling](#)

Operating Basics **Computer Handling** This section explains computer handling and maintenance. **Cleaning the computer** To help ensure long, trouble-free operation, keep the computer free of dust and dirt, and use care with all liquids around it. ■ Be careful not to spill liquids into the computer. If the computer does get wet, turn the power off immediately and let the computer dry completely - in these circumstance you should get the computer inspected by an authorized service provider in order to assess the scope of any...

[Page 109: Using The Toshiba Sleep Utility](#)

Operating Basics **Using the TOSHIBA Sleep Utility** The TOSHIBA Sleep Utility is used for changing settings of the following function: ■ **Sleep and Charge** ■ **Sleep and Music Sleep and Charge** Your computer can supply USB bus power (DC5V) to the USB port even when the power of the computer is turned OFF.

[Page 110: Sleep And Music](#)

Operating Basics ■ When Sleep and Charge function is enabled, USB bus power (DC5V) will be supplied to compatible ports even when the power of the computer is turned OFF. USB bus power (DC5V) is similarly supplied to the external devices which are connected to the compatible ports.

[Page 111: Starting The Toshiba Sleep Utility](#)

Sound quality may also be different. Starting the TOSHIBA Sleep Utility To start the utility, click Start → All Programs → TOSHIBA → Tools & Utilities → Sleep Utility. Enabling Sleep and Charge This utility can be used to enable and disable the Sleep and Charge function.

[Page 112: Heat Dispersal](#)

Operating Basics Heat dispersal To protect against overheating, the processor is equipped with an internal temperature sensor which activates a cooling fan or lowers the processing speed if the computer's internal temperature rises to a certain level. You are able to select whether to control this temperature by either turning on the fan first, then if necessary lowering the processor speed, or by lowering the processor speed first, then if necessary turning on the fan.

[Page 113: Chapter 5 The Keyboard](#)

Chapter 5 The Keyboard The provided wireless keyboard layouts are compatible with a 104/105-key enhanced keyboard - by pressing some keys in combination, all of the 104/105-key enhanced keyboard functions can be performed on the computer. The number of keys available on your keyboard will depend on which country/region your computer is configured for, with keyboards being available for numerous languages.

[Page 114: Function Keys: F1](#)

Soft keys: FN key combinations The FN (function) is unique to TOSHIBA computers and is used in combination with other keys to form soft keys. Soft keys are key combinations that enable, disable or configure specific features.

[Page 115](#) The Keyboard Lock: Pressing FN + F1 enters "Lock computer mode". To restore your desktop, you need to log on again. Power Plan: Pressing FN + F2 changes the power settings. Sleep: Pressing FN + F3 switches the system to Sleep Mode. Hibernate: Pressing FN + F4 switches the system to Hibernation Mode.

[Page 116: Windows Special Keys](#)

Volume up: Pressing FN + 4 increases the volume in increment. FN Sticky key You can use the TOSHIBA Accessibility Utility to make the FN key sticky, that is, you can press it once, release it, and then press an "F Number"...

[Page 117: Generating Ascii Characters](#)

The Keyboard Generating ASCII characters Not all ASCII characters can be generated using normal keyboard operation, but you are able to generate these characters using their specific ASCII codes. 1. Hold down ALT key. 2. Using the numeric keypad, type the ASCII code of the character you require.

[Page 118: Chapter 6 Power And Power-Up Modes](#)

Chapter 6 Power and Power-Up Modes The computer's power resources include the computer, wireless keyboard and wireless mouse. The computer is supplied with the AC adapter while the wireless keyboard and mouse are supplied with AA batteries. This chapter provides details on making the most effective use of these resources.

[Page 119: Battery](#)

You can change the Real Time Clock settings by turning the computer on while pressing the F2 key and then release the F2 key when the TOSHIBA Leading Innovation >>> screen appears. Please refer to Chapter 8 Troubleshooting for further information.

[Page 120: Starting The Computer By Password](#)

Power and Power-Up Modes Click Start → All Programs → TOSHIBA → Tools & Utilities → TOSHIBA Assist → SECURE → Supervisor password This utility lets you do the following: ■ Register or

delete the supervisor password. ■ Specify restrictions for general users.

[Page 121: System Automatic Sleep/Hibernation](#)

Power and Power-Up Modes System automatic Sleep/Hibernation This feature automatically turns off the system in Sleep or Hibernation Mode if the computer is not used for a set duration. Refer to Special features, in Chapter 3 for an explanation of how to set the duration. User's Manual...

[Page 122: Chapter 7 Hwsetup](#)

Accessing HWSetup To run the HW Setup program, click Start → All Programs → TOSHIBA → Tools & Utilities → HWSetup. HWSetup window The HWSetup window contains a number of tabs (General, Password, Boot Priority and LAN) to allow specific functions of the computer to be configured.

[Page 123: Boot Priority](#)

HWSetup Setup This field displays the installed BIOS version, date and EC version. Password This option allows you to set or reset the user password for power on. User Password Lets you register a new password or change/remove an existing password. Changes or remove the password (default).

[Page 124: Boot Speed](#)

To change the boot drive, follow the steps below. 1. Hold down F12 and boot the computer. when the TOSHIBA Leading Innovation >>> screen appears, release the F12 key. 2. Use the up and down cursor keys to select the boot device you want and press ENTER.

[Page 125: Wireless Communication Switch](#)

HWSetup Wake-up on LAN This feature lets the computer's power be turned on from shutdown when it receives a wake-up packet (Magic packet) from the LAN. Do not install or remove a memory module while Wake-up on LAN is enabled. ■...

[Page 126: Troubleshooting](#)

Chapter 8 Troubleshooting TOSHIBA have designed this computer for durability, however, should problems occur you are able to use the procedures detailed in this chapter to help determine the cause. All users should become familiar with this chapter as knowing what might go wrong can help prevent problems from occurring in the first place.

[Page 127: Analyzing The Problem](#)

Troubleshooting ■ Before you attach an external device you should first turn the computer off, then when you turn the computer back on again it will recognize the new device. ■ Make sure all optional accessories are configured properly in the computer's setup program and that all required driver software has been loaded (please refer to the documentation included with the optional accessories for further information on its installation and...

[Page 128: Hardware And System Checklist](#)

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

[Page 129: Self Test](#)

This message remains on the screen for a few seconds. If the self test is successful, the computer tries to load the operating system according to how the Boot Priority option is set within the TOSHIBA HWSetup program. If any of the following conditions are present, the self test has failed: ■...

[Page 130: Real Time Clock](#)

BIOS setup application by using the following steps: 1. Turn on the computer while pressing the F2 key. 1. Release the F2 key when the TOSHIBA Leading Innovation >>> screen appears - the BIOS setup application will load.

[Page 131: Internal Display Panel](#)

Alternatively you may wish to run the TOSHIBA PC Diagnostic Tool to check the general operation of the computer. If you are still unable to resolve the problem, contact your reseller, dealer or service provider.

[Page 132: Hard Disk Drive](#)

- if so remove it and try to start the computer again. If this has no effect, check the Boot Priority setting within the TOSHIBA HW Setup utility - please refer to the Boot Priority section in Chapter 7, HWSetup for further information.

[Page 133](#) Troubleshooting Check whether the CD/DVD is dirty. If it is, wipe it with a clean cloth dipped in water or a neutral cleaner. Refer to the Media care section in Chapter 4 for details on cleaning. Some CD/DVDs run The software or hardware configuration may be correctly, but others do causing a problem.

[Page 134](#) Cannot write correctly If you have trouble in writing, make sure you have taken the following precautions: Use only media recommended by TOSHIBA. Do not use the mouse or keyboard while writing. Use only the software supplied with the computer for recording.

[Page 135: Pointing Device](#)

Troubleshooting Memory Cards: SD/SDHC/SDXC/miniSD/microSD Card, Memory Stick/Memory Stick PRO/Memory Stick Duo/Memory Stick PRO Duo/Memory Micro, xD picture card, MultiMediaCard For further information, please refer to Chapter 3, Hardware, Utilities and Options. Problem Procedure Memory Card error Remove the Memory Card from the computer occurs and then reinsert it in order to ensure it is firmly connected.

[Page 136: Usb Device](#)

Troubleshooting Problem Procedure Double-clicking does In this instance, you should initially try to change not work the double-click speed setting within the Mouse Control utility. 1. To access this utility, click Start → Control Panel → Hardware and Sound → Mouse. 2.

[Page 137](#) USB, you are still able to use a USB mouse and/or USB keyboard by setting the Legacy USB Support option within the TOSHIBA HW Setup utility to Enabled. If you are still unable to resolve the problem, contact your reseller, dealer or service provider.

[Page 138](#) Troubleshooting Problem Procedure Annoying sound is In this instance you may be experiencing heard feedback from either the internal microphone or an external microphone connected to the computer - please refer to Sound System Chapter 4, Operating Basics for further information.

[Page 139: Toshiba Support](#)

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

[Page 140](#) - they are your best resource for current information and support. Where to write If you are still unable to solve the problem and suspect that it is hardware related, write to TOSHIBA at the nearest location listed below: Outside of Europe In Europe Australia Germany &...

[Page 141](#) California 92618 USA Business Park Addlestone Road Weybridge, Surrey KT15 2UL India The Rest of Europe TOSHIBA India Pvt Ltd. TOSHIBA Europe (I.E.) GmbH PC Division 6th Floor, DR Gopal Das Geschäftsbereich, Deutschland- Bhawan Barakhamba Road, Delhi- Österreich Hammfelddamm 8, D-...

[Page 142: Specifications](#)

Appendix A Specifications This appendix summarizes the computer's technical specifications. Physical Dimensions Size 531 (w) x 190 (d) x 405 (h) millimeters (not including parts that extend beyond the main body). Environmental Requirements Conditions Ambient temperature Relative humidity Operating 5°C (41°F) to 35°C (95°F) 20% to 80% (noncondensing) Non-

operating...

[Page 143: Power Requirements](#)

Specifications Power Requirements AC adaptor 100-240 volts AC 50 or 60 hertz (cycles per second) Computer 19V DC User's Manual...

[Page 144: Display Controller And Video Mode](#)

Appendix B Display Controller and Video mode Display controller The display controller interprets software commands into hardware commands that turn particular parts on the screen on or off. Due to the display panel's increased resolution, lines may appear broken in when displaying images in full-screen text mode.

[Page 145: Information For Wireless Devices](#)

The "Wi-Fi CERTIFIED™" logo is a certification mark of the Wi-Fi® Alliance Bluetooth wireless technology Interoperability Bluetooth™ Cards from TOSHIBA are designed to be interoperable with any product with Bluetooth wireless technology that is based on Frequency Hopping Spread Spectrum (FHSS) radio technology, and is compliant to: ■...

[Page 146: Caution About Wireless Devices](#)

If you should experience any such problem, immediately turn off either one of your Bluetooth or Wireless LAN. Please visit <http://www.pc.support.global.toshiba.com>, if you have any questions about using Wireless LAN or Bluetooth Card from TOSHIBA. In Europe visit <http://www.toshiba-europe.com/computers/tnt/bluetooth.htm> Your Bluetooth product is not compatible with devices using Bluetooth Version 1.0B specifications.

[Page 147: Radio Regulatory Information](#)

Information for Wireless Devices 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. This product complies with the following radio frequency and safety standards.

[Page 148](#) Information for Wireless Devices Luxembourg: Implemented General authorization required for network and service supply. Russian Limited e.i.r.p 100mW. Permitted to use only Federation: for indoor applications, closed industrial and warehouse areas, and on board aircraft. 1. Permitted to use for local networks of aircraft crew service communications on board aircraft in area of the airport and at all...

[Page 149](#) Information for Wireless Devices Canada - Industry Canada (IC) This device complies with RSS 210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

[Page 150](#) 3. Contact an authorized TOSHIBA service provider if you have problems with interference caused by this product to Other Radio Stations. 2. Indication for Wireless LAN The indication shown below appears on this equipment.

[Page 151: Radio Approvals For Wireless Devices](#)

Information for Wireless Devices This equipment uses a frequency bandwidth from 2,400 MHz to 2,483.5 MHz. It is impossible to avoid the band of mobile object identification systems. 4. About the JEITA 5GHz Wireless LAN supports W52/W53/W56 Channel. Device Authorization This device obtains the Technical Regulation Conformity Certification and it belongs to the device class of radio equipment of low-power data communication system radio station stipulated in the Telecommunications...

[Page 152](#) Information for Wireless Devices Do not use this equipment in the countries/regions which are not listed in the table below. ■ Available channel of Peer-to-peer connection by ad-hoc mode is Ch1- Ch11. ■ Connection with an access point by the Infrastructure mode is Ch1- Ch13.

[Page 153](#) Information for Wireless Devices Singapore Slovak Republic Slovenia South Africa South Korea Spain Sri Lanka Sweden Switzerland Taiwan Thailand Turkey Ukraine Uruguay Venezuela Vietnam Yemen Zimbabwe Approved Countries/Regions for the Realtek® RTL8188CE

Wireless LAN 802.11n PCI-E NIC b/g/n Wireless LAN This equipment is approved to the radio standard by the countries/regions in the following table.

[Page 154](#) Information for Wireless Devices Ireland Italy Japan Jordan Kazakhstan Kenya Kuwait Kyrgyzstan Latvia Lebanon Lesotho Liechtenstein Lithuania Luxembourg Macedonia Malaysia Malta Mexico Monaco Montenegro Mozambique Namibia Netherlands New Zealand Norway Oman Pakistan Panama Papua New Paraguay Peru Philippines Guinea Poland Portugal Puerto Rico Qatar...

[Page 155](#) Information for Wireless Devices As of Mar.2011 Albania Algeria Angola Argentina Australia Austria Azerbaijan Bahrain Bangladesh Belarus Belgium Bolivia Bosnia and Botswana Brazil Bulgaria Herzegovina Burkina Faso Burundi Cambodia Cameroon Canada Central African Chile China Republic Colombia Comoros Costa Rica Croatia Cyprus Czech Republic...

[Page 156](#) Information for Wireless Devices Paraguay Peru Philippines Poland Portugal Puerto Rico Qatar Republic of Chad Republic of Republic of The Reunion Romania Djibouti Gambia Rwanda Saudi Arabia Senegal Serbia Sierra Leone Singapore Slovak Republic Slovenia South Africa South Korea Spain Sri Lanka Swaziland Sweden...

[Page 157: Ac Power Cord And Connectors](#)

Appendix D AC Power Cord and Connectors The power cord's AC input plug must be compatible with the various international AC power outlets and the cord must meet the standards for the country/region in which it is used. All cords must meet the following specifications: Wire size: Minimum 0.75 mm...

[Page 158](#) AC Power Cord and Connectors France: LCIE Switzerland: Germany: United Kingdom: In Europe, two conductors power cord must be VDE type, H05VVH2-F or H03VVH2-F and for three conductors power cord must be VDE type, H05VV-F. For the United States and Canada, two pin plug configuration must be a 2- 15P (250V) or 1-15P (125V) and three pin plug configuration must be 6- 15P (250V) or 5-15P (125V) as designated in the U.S.

[Page 159: Toshiba Pc Health Monitor](#)

Once enabled, you may disable the TOSHIBA PC Health Monitor at any time by uninstalling the software via Uninstall a program in the Control Panel. Doing so will automatically delete all collected information from the HDD.

[Page 160: Starting The Toshiba Pc Health Monitor](#)

Starting the TOSHIBA PC Health Monitor The TOSHIBA PC Health Monitor can be started using the following methods: ■ Click Start → All Programs → TOSHIBA → Support & Recovery → PC Health Monitor. ■ Click the icon () in the notification area, then click the "Enable PC Health Monitor..."...

[Page 161: Legal Footnotes](#)

Appendix F Legal Footnotes This chapter states the Legal Footnotes information applicable to TOSHIBA computers. Non-applicable Icons Certain computer chassis are designed to accommodate all possible configurations for an entire product series. Therefore, please be aware that your selected model may not have all the features and specifications corresponding to all of the icons or switches shown on the computer chassis.

[Page 162: Memory \(Main System](#)

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 in Chapter 8 Troubleshooting for more information.

[Page 163: Lcd](#)

Legal Footnotes 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. Graphics Processor Unit ("GPU") Graphics processor unit ("GPU") performance may vary depending on product model, design configuration, applications, power management...

[Page 164: Glossary](#)

Glossary The terms in this glossary cover topics related to this manual. Alternate naming is included for reference. Abbreviations AC: Alternating current ACPI: Advanced Configuration and Power Interface AMT: Intel Active Management Technology ASCII: American Standard Code for Information Interchange BD-R: Blu-ray Disc Recordable BD-RE: Blu-ray Disc...

[Page 165](#) Glossary HDMI: High-Definition Multimedia Interface IDE: integrated drive electronics IEEE: Institute of Electrical and Electronics Engineers I/O: input/output IRQ: interrupt request KB: kilobyte LAN: local area network LCD: liquid crystal display LED: light emitting diode MB: megabyte MMC: multi media card OCR: optical character recognition (reader) PC: personal computer PCI: peripheral component interconnect...

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