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Clevo control center manual full form





Power Management Shutting the Computer Down Note that you should always shut your computer down by choosing the Shut down command as this will help prevent hard disk or system problems. PC Camera LED Operation Aboard Aircraft 3. Low Battery Battery Power Warning Your computer's battery power is dependent upon many factors, including the pro- When the battery is criti- grams you are running, and peripheral devices attached. Rapid Storage 11. Page 228 Modules Click Settings to access the camera settings menu to make adjustments for Camera Button long key press function, Photo Aspect ratio, Framing grid, video recording frame rates, Flicker reduction and Digital video stabilization. Modules Intel Rapid Storage Technology application provides high-performance IRST and M.2 PCI-e AHCI and RAID/Intel® Optane[™] system capabilities. Page 230 Modules Captured photos and videos will be saved to the Photos app stored in the Start menu (type Photos into the search box if you cannot find the app). Page 109 Power Management Each Windows power plan will also adjust the processor performance of your ma- chine in order to save power. Interface (Ports & Jacks) Ports and Jacks Item Description 2-in-1 Audio Jack Headphones may be connected through this jack. Page 166 Modules 13. Quick Start Guide Settings The Settings item in the Start Menu (and also as an App) gives you quick access to a number of system settings control panels allowing you to adjust settings for System, Devices, Network & internet, Personalization, Ac- counts, Time &... Quick Start Guide Keyboard Backlight LED (For Illuminated Colored Keyboards Only) Press Fn plus the key to toggle the keyboard LED on/off. Quick Start Guide Bottom View - Model B Figure 1 - 22 Bottom View - Model B 1. As the computer starts up make sure the Windows 10 OS DVD (you will be prompted to press a key to boot from the DVD). Page 62 Quick Start Guide 3G/4G Module USIM Card Installation (For Model A Computers Only) Insert the USIM card as illustrated below (pay careful attention to the orientation USIM card as the gold contact side of the card as the gold contact side of the card should face upwards) until it clicks tion fully into position. If this doesn't cool it down, put the system into Hibernate mode or turn it off for an hour. RAID 0 RAID 0 implements a striped disk array and the data is broken into blocks and each block is written to a separate disk drive. Power saver), however note that this may have an affect on computer performance. Select a program to customize from the drop-down menu, or click Add to add any program that does not appear in the menu. Page 208 Modules EAX Effects & EQ Click to select either/or EAX Effects or EQ, select the mode required from the dropto your preference. Control Center & Flexikey ® CPU Overclocking Click the CPU tab at the bottom right of the screen and the CPU overclocking tab will pop out to accommodate other serial (SATA) Removal Warning hard disk drives (see "Storage"... BIOS Utilities Main Menu Figure 5 - 2 Main Menu SATA Port # (Main Menu) Pressing Enter opens the sub-menu to show the configuration of a optical Device/ HDD on the computer's SATA Ports. You can click a Control Center to power mode and then click individual icons in the Control Center icon to set an overall power mode and then click individual icons in the Control Center icon to set an overall power mode and then click individual icons in the Control Center to power on/off the Touchpad and PC camera. Video Driver Controls Microsoft Hybrid Graphics Most notebook computers come with either a discrete or integrated graphics solu- tion. As the computer restarts press to enter the BIOS again. Page 33 Preface Keyboard Settings - DisableB-37 Mouse Settings - Express KeyB-38 Enabling Time Record for Mouse SettingsB-44 StatisticsB-45 Video Driver Controls OverviewC-1 Microsoft Hybrid Graphics Or Discrete Graphics ModeC-2 Microsoft Hybrid GraphicsB-40 Mouse Settings - Express TextB-42 Mouse Settings - Disable Mouse Settings - Launch App ..C-3.. If plugged into a power strip, make sure it is actually working. If a power failure occurs the system can restore your work from the hard disk; if a power failure occurs when work is saved only to memory, then the work will be lost. Control Panel in the Windows notification area, or use the key combination Fn + F5 and F6 (see "Function Keys &... Modules TPM Management in Windows You can manage your TPM settings from within Windows: Go to the Control Panel. Figure 6 - 31 Sound Blaster X-Fi MB5 EAX Effects &... BIOS Utilities SATA Mode (Advanced Menu) You can configure SATA (Serial ATA) control to operate in AHCI (Advanced Host Controller Interface), RAID (Redundant Array of Independent disks) or Intel RST Premium (for Intel Optane) mode from this menu. Page 126 Power Management Scroll down to Battery and click + to expand the battery options. Figure 1 - 11 - Save &... Click 3.Install NVIDIA VGA Driver > Yes. Doing so may violate your warranty and may expose you and the computer to electric shock. Ideally this would be the iGPU for battery life, but this can be set to the dGPU if pre- Customization ferred. The mouse click will now be configured to open the settings within your chosen profile. Run the Intel® Rapid Storage Technology application from IRST and M.2 PCI-e the item in the Start menu. The Preview image will display a sample image using the current settings. Double-click Display (if the sub-menus are not visible), and then click Change resolution. Modules Deleting a RAID (Windows 10) If you wish to delete an existing RAID then follow the procedure below to do so. Disabling Intel® Run the Intel® Rapid Storage Technology application. Figure 3 - 10 Settings > ... Page 3 Preface 3G/4G Module6-79 3G/4G Configuration in Windows 10 Resolving the "Can't connect to this network" issue with the 3G/4G Module7-18 Intel®... Quick Start Guide Illuminated Colored LED Keyboard has an embedded numerical keypad for easy nu- Other Keyboards meric data input, and features function keys to allow you to change operational fea- tures instantly. Figure 4 - 1 - Drivers Installer Screen 1 4 - 2 Driver Installation... MSHYBRID is selected by default. Brightness (System Program) The Brightness level. Troubleshooting Upgrading and Adding New Hardware/Software • Do not be tempted to make changes to your Windows Registry unless you are very sure of what you are doing, otherwise you will risk severely damaging your system. • RAID1 (Mirror) 15. Page 177 Modules 13. Table 3 - 1, on The settings may be adjusted to set the display to turn off after a specified time, and page 3 - 12... Page 277 Control Center & Flexikey® You can access the CPU Memory Overclocking utility from the Control Center or taskbar notification area. Control Center & Flexikey® CPU / Memory Overclocking Support You can enable overclocking support for systems with a compatible CPU (contact your distributor/supplier for details) and Memory. Power Management Battery Life Battery choose to share or connect to devices or not. Page 252 Troubleshooting Problem Possible Cause - Solution A file cannot be copied to/from a The transfer of data between the computer and a Bluetooth device is connected Bluetooth device. use the Windows Logo Key + X key combination) to bring up an advanced Context Menu of useful features such as Control Panel, Programs and Features, Power Options, Task Manager, Search, File Explorer, Command Prompt, Device Manager and Network Connections etc. The Control Panel can be accessed in a number of ways in Windows 10. Figure 3 - 9 Settings Settings Menu Power Controls 3 - 15... Page 162 Modules RAID Level Description Table 6 - 1 RAID Levels Identical drives reading and writing data in parallel to increase performance. Find the executable file icon of the application you want to run. Page 216 Modules Intel® Rapid Storage Technology Help If a hard drive member of a RAID volume is reported as "Degraded" or "Failed" it may be possible to recover the volume. Page 225 Modules Restart the computer to complete the process. Preface FCC RF Radiation Exposure Statement: This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. right-click the icon and select Make primary. Control Center & Flexikey® Click in the Tool Tips field and type to give the key combination a name e.g. "Sprint Fwds", then click back in the Tool Tips field and type to give the key combination a name e.g. "Sprint Fwds". Jack Plug an external microphone in to this jack to record on your computer. Enable and select the mouse under your chosen profile, click on a mouse button to select it, and then click to select Express Text in Action Type. BIOS Utilities The Power-On Self Test (POST) If you enable the Boot-time Diagnostic Screen in the Setup Utility, each time you BIOS Settings turn on the computer the system takes a few seconds to conduct a POST, including Warning a quick test of the on-board RAM (memory). You should enable the When the pop-up menu appears make sure you select Line-Out by putting a check auto pop-up dialog to... However you may find it useful to refer to "Drivers & Utilities" on page 4 - 1 "BIOS Utilities" on page 5 - 1 in the User's Manual. Control Center & Flexikey® Power Conservation (System Program) This system supports Power sleep modes after a desig- nated period of inactivity (see "Power Conservation Modes" on page 3 -13). Page 176 Modules Select 1. Create RAID Volume and press Enter. Press to exit the menu. Page 339 Video Driver Controls You can drag the icons to match the desktop layout you want to extend the display to the right or left of the primary display). Click Close in the Verify Volume Data Results window. Preface Travel Considerations As you get ready for your trip, run through this list to make sure the system is ready to go: Check that the battery pack and any spares are fully charged. HDMI-Out Port - Design I Only 5. Figure C - 27 Control Panel Intel Graphics ® Settings Intel® HD Graphics Control Panel C - 37... Follow the instructions for each individual driver installation procedure as listed on the following pages. Go to the NVIDIA Control Panel. cable, and click OK, to continue installation. Select the mode required from the dropbox, and click on Test to hear the playback of the effect. Page 320 Video Driver Controls Adjust the HDMI settings from the control panel tabs. Page 275 Control Center & Flexikey The System Program will display an arrow icon at the bottom right of the menu which you can click to allow you to access the second page of the menu which you can click to select it, and then click Delete. Page 210 Modules Hot Key Configuration Click Configuration Menu. Modules Enabling Intel[®] Run the Intel[®] Rapid Storage Technology application. You can set the system to automatically disable the internal Touchpad when an ex- ternal USB point device (e.g a USB mouse) is attached. You can also use the context menu (right-click the Start Menu icon or press the Windows logo... How do I maintain the battery? Drivers & Utilities + User's Manual 1. Click the Help menu (or press F1) for instructions on how to recover or recreate RAID Vol- Click the Help (or press F1) menu button at the ... Page 192 Modules You can click the Airplane Mode button to turn the mode On or Off. • Position the display to avoid glare or reflections from overhead lighting or outside sources of light. The notification area of the taskbar in the bottom right of the screen. • Keep the display screen clean and set the brightness and contrast to levels that allow you to see the screen clearly. device, make sure that the Bluetooth control panel is closed. ... Windows Logo Key + + D key com- bination to switch be- Tap Winkey Toggle the Start menu tween the Start screen... Click Custom to adjust any settings from the drop-down menus. Quick Start Guide Model Differences This notebook series includes two different model types, and different model series. If you don't find the answer in these pages, make sure you have followed the instructions carefully and observed the safety precautions in the preface. Preface Lighting Proper lighting and comfortable display viewing angle can reduce eye strain and muscle fatigue in your neck and shoulders. BIOS Utilities The Setup Utility tells the system how to configure itself and manage basic BIOS Settings features and subsystems (e.g. port configuration). Copy the f6flpy-x64 folder from the location below (D: denotes your DVD drive) on the Device Drivers & Utilities + User's Manual disc to the USB flash drive or external USB hard disk. Aircraft Make sure that the module is on (i.e. Modules Intel Bluetooth Combo Driver Installation 1. The power status bar will show the current battery charge state. HDMI-Out Port 5. The FlexiCharg- er may be set to automatically start charging your battery when the battery reaches FlexiCharger a certain capacity level (e.g. you could start the battery charge level at 40%). Click 2.Install Fingerprint Driver > Yes. Click Save when exiting the application to retain the settings. DC-In Jack 4. Icon Color Power Status To Resume Table 3 - 1 Power Off Press the Power Button Resuming Operation... In some areas, computer theft is very common. Page 358 Video Driver Controls Profiles (Brighten Video and En-hance Video Colors) from the menu on the left. Modules Intel® Rapid Storage Technology for RAID Systems Intel® Rapid Storage Technology application displays status information on your RAID configuration. Storage Devices, Mouse, & Audio Audio Features You can configure the audio options on your computer from the Realtek HD Audio Manager icon in the notifi- The sound volume level cation area/control panel (right-click the notification area icon to bring up an au- can be clicking using the... The wrong battery type may explode, leak or damage the computer. Quick Start Guide Left View - Model B Figure 1 - 19 Left View - Model B 1. See your display device manual to see which formats are supported. Click the key and then select the Action Type (Express Key, Launch App, Express Text or Disable) from the menu at the bottom of the page. Quick Start Guide Flexikey® Application, which allows you to assign a single key to launch multiple key combinations, or to launch programs and applications, to create text macros and to disable certain keys. A warning will pop-up to remind that activating CPU overclocking may cause system instability. Creative ALchemy re- stores hardware accelerated audio to enable EAX effects and 3D Audio when play- ing Direct Sound3D games. If you need to clear ex- Press Enter under Security Device Support menu and select Enable. Creating a Windows • Make sure the Windows 10 OS DVD is in the attached DVD drive, as the com- Partition for Optane puter starts up it will automatically boot from the DVD). Page 78 Quick Start Guide To access the Display Settings: You can quickly adjust the display by rightclicking the desktop and selecting Display Settings (Figure 1 - 31). Click Realtek HD Audio Manager (or right-click the notification area icon select Sound Manager). Modules RAID 0) or Mirroring (RAID 1) modes (see Table 6 - 1, on page 6 - 4) you will require two identical hard disks or solid state drives. Troubleshooting Viruses • Install an Anti-Virus program and keep the definitions file (the file which tells your program which viruses to look for) up to date. Enable and select the keyboard under your chosen profile, click on a key to select it, and then click to select Express Key in Action Type. To ac- ® cess the control panel see below and overleaf: Right-click the Desktop and select Intel(R) Graphics Settings from the menu. Click Start Record and then press the key or keys (in this case we will press Left Shift and W) required (make sure you press the key(s) required and do not click on them). Page 20 Preface XVIII... Do not will display the battery level, and by clicking Battery Use you can see the current state of battery usage by application etc. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. Right-click a blank area of the Desktop and select Display Settings). Quick Start Guide LED Indicators The LED indicators display helpful information about the current status of the computer. 28. The system takes advantage of Power some newer hardware components for which the latest versions of most available op- When installing driv- erating systems haven't built in drivers and utilities. Control Center & Flexikey® Keyboard Settings - Launch App You can configure keys to launch any application or program as follows: Enable and select the keyboard under your chosen profile, click to select a key to launch the application, and then click to select the keyboard under your chosen profile, click to select a key to launch the application or program as follows: Enable and select the keyboard under your chosen profile, click to select a key to launch the application or program as follows: Enable and select the keyboard under your chosen profile, click to select a key to launch the application. Redirection and Subwoofer Gain, and click on the slider to adjust the Crossover Frequency. USB 3.0 Port (USB 3.0 Port 5. Click SPEAKER CALI- BRATION to calibrate the distance and level of the speakers. Toggle the screen control key combinations Fn + F8/F9. Quick Start Guide Illuminated White LED Keyboard (For some Design II Series Models) Other Keyboards The illuminated white keyboard is dam- aged or you just want to instantly. This is useful in gaming or when using applications which have a complex set of keyboard shortcuts. In addition press Fn plus the keyboard backlight application to configure the settings (see overleaf). Figure B - 33 - Mouse Button Set to Launch App B - 41... Go to RAID Level: and press . Remove all packing materials, and place the computer on a stable surface, and securely attach any peripherals you want to use with the notebook (e.g. keyboard and mouse) to their ports. Page 204 Modules Profile You can setup a Profile You can s images are displayed. Power Management Power Conservation Modes This system supports Power sleep modes after a designated period Power Conservation of inactivity. Video Driver Controls Video Driver Installation Make sure you install the drivers in the order indicated in Table 4 - 1, on page 4 - iGPU or dGPU Insert the Device Drivers & Utilities + User's Manual disc into an attached DVD drive and click Set up G- SYNC (you must have a a G-SYNC capable display and video adapter). Page 207 Modules Voice FX Click on the power button to enable Voice FX and click on the sliders to adjust the settings. Page 251 Troubleshooting Problem Possible Cause - Solution The computer is off (or in Sleep Mode) but The port is not powered on. Press as the computer starts up to bring up the boot device menu. Click the Wireless icon in the notification area of the taskbar. To turn it on simply press the pow- er button on the front panel. Page 84 Quick Start Guide 1 - 48... These models and design styles mainly differ as indicated in the table below. Figure 6 - 14 Device Management Turning On the Computer Now in using your computer. States There are two different fingerprint modules supplied with this model. The Con- trol Center gives quick access to frequently used controls and enables you to quickly turn the camera/Touch Pad on/off (see Appendix B... Page 116 Power Management Ctrl + Alt + Delete Key the CTRL + ALT + DEL key combination from almost any of the Win- dows 10 interfaces/Apps to bring up a full-screen displaying Lock, Switch User, Sign out, Change a password and Task Manager options. Modules TPM Actions Click Prepare the TPM and follow the instructions in the Wizard to prepare the TPM (this will probably require a restart of the computer and confirmation of the setting changes after restart by pressing the appropriate F key). Click Next > Install. If you are copying a file from the Bluetooth enabled device to your computer until the file transfer process has been completed No sound can be heard through an HDMI... Quick Start Guide Left View - Model A Figure 1 - 18 Left View - Model A Design I 1. Figure C - 18 Drag Display Icons... Control Center & Flexikey® Control Center Contains 3 menu headings (System Program, Device and Gaming) under the Power Modes. Built-In Array Microphone The use of any portable elec- 4. Interface (Ports & Jacks) Item Description USB 3.1 (USB 3.1 Gen 2 These USB ports are for low-speed peripherals such as keyboards, mice or scanners, and for Type C) Port high-speed peripherals such as external HDDs, digital video cameras or high-speed scanners etc. Help Butt Effects Buttons Keyboard Sections... Click to put a check in the Hibernate/Sleep box under Shutdown settings. Click on any of the buttons to view the effects on the keyboard. Page 101 Storage Devices, Mouse, & Audio The three and four-finger taps may be used to trigger Cortana Search or the Action Center. Power Management Configuring the Power Buttons The power/sleep button (Fn + F12 key combo) and closed lid may be set to send the Password computer in to a power-saving state. Modules Fingerprint Reader Driver Installation 1. Page 27 Preface GPU Performance Scaling (Advanced Menu > Advanced Chipset Control) ... VT-d (Advanced Menu > Advanced Chipset Control)5-12 Boot Logo (Advanced Menu)5-13... Ouick Start Guide Start Menu Apps & Tiles The Windows 10 Start Menu will contain a number of apps, and many more will be installed as you add more applications etc. When the PC Camera is in use the LED indicator to the left of the camera will be illuminated 5-13 Battery Low Alarm Beep (Advanced Menu) Menu) (see Figure 1 - 2 on page 1 - 7/Figure 1 - 3 on page 1 - 7/Figure 1 - 3 on page 1 - Note that you need to use the Camera app... Click the icon in the notification area of the Desktop taskbar and select Intel(R) Graphics Settings from the menu. Page 255 Troubleshooting Problem Possible Cause - Solution When using a Bluetooth headset the This is a common issue with Bluetooth headsets. Quick Start Guide Keyboard Shortcuts The following Windows Logo Key (Winkey) keyboard shortcuts are useful for navi- gation/operation in Windows 10. If the volume and restore the data from a back up. Page 357 Video Driver Controls Power The battery life can be extended through dynamic control of the frame rate if Ex- tended Battery Life for Gaming is enabled. After installing the audio driver the system will not re- dates etc. The In- formation Center provides details on System Information, the Built-In Display and any attached displays. Enable and select the mouse under your chosen profile, click on a mouse button to select it, and then click to select it, and then click to select the mouse under your chosen profile, click on a mouse button to select it, and then click to select it, and then click to select Disable in Action Type. Hybrid Graphics Mode - This seamless technology is designed to get pointer over the taskbar best performance from the graphics system while allows... Page 10 Preface Avoid interference. Figure 6 - 1 Create RAID Volume (Advanced > Intel(R) 10. You can now scan your fingerprint to log-on to the computer. Go to the Intel(R) HD Graphics Control Panel and click Display. Page1-10 Illuminated White LED Keyboard1-6 LCD Panel Open - Model A1-9 Illuminated Colored LED Keyboard 22 Preface Model Differences1-7 LCD Panel Open - Model B1-8 LED Indicators1-11 Keyboard Shortcuts1-12 Control Center ...1-14 Flexikey ... Navigating the Control Panel Navigate through the control panels in much the same way as you would a web page. Click AGREE AND CONTINUE (button) to accept the terms of the license agreement. Scheduling Verify & Repair You can schedule verifi- cation and repair .1-13 Keyboard Backlight LED ... by clicking Preferences > Scheduler abling a set time for ver- ification and repair. Modules Intel @ Optane[™] Setup Procedure After initial setup make sure you install the Intel Rapid Storage Technology driver - see "IRST Driver Installation" on page 6 - 56). Page 234 Modules The TPM Management window allows you to configure the TPM within Windows. Insert the Device Drivers & Utilities + User's Manual disc an attached DVD drive. Follow the proper working procedures for the computer. Quick Start Guide LCD Panel Open - Model A Figure 1 - 2 LCD Panel Open Model A 1. Multiple Display At least one other dis- play must be attached in order to view multiple display selection tions. Video Driver Controls HDMI Audio Configuration HDMI (High-Definition Multimedia Interface) carries both audio and video signals. • Right-click the Start Menu icon in the taskbar in the lower left corner of the screen and select Control Panel from the menu. V Instructions for Care and OperationVII Servicing Power Safety ...X Polymer Battery Precautions When first setting up the computer use the following procedure (as to safeguard the computer during shipping, the battery will be locked to not power the system until first connected to the AC/DC adapter and initially set up as below): •... The Fan Speed will also automatically be set to overclock (do not adjust this fan speed setting if you have enabled GPU overclocking). Quick Start Guide Power Options (Hardware and Sound) can be accessed from the Control Panel. Make sure the system is not in Airplane Mode, and then insert the Device Drivers & Utilities + User's Manual disc into the DVD drive. Home Sound is a control Panel. the sub- menu screens. We recommend that you do not remove the battery yourself. The RAID volume will then be created and the RAID information will be displayed under Intel(R) Rapid Storage Technology (in the Advanced menu). Performance gives the smoothest motion of images, Quality displays the most detail, Balanced Mode provides better computer performance with good quality and Custom allows you to configure the Anisotropic Filtering and Vertical Sync and features to your prefer- ences. The SATA Mode should be TM ... 27. Page 26 Preface Optional Drivers4-10 BIOS Utilities Overview5-1 The Power-On Self Test (POST)5-2 Failinc the POST.5-3 Non-Fatal Errors5-3 The Setup Utility5-4 Entering Setup5-4 Setup Screens5-5 Main Menu5-6 OffBoard SATA/NVme Controller Configuration (Main Menu) .5-7 System Time &... The two-finger scrolling feature works in most scrollable windows and allows you to scroll horizontally and vertically. Modules Taking Pictures/Capturing Video Make sure the PC Camera is turned on by using the Fn + F10 key combination (or Control Center button). Page 128 Power Management 3 - 26... Page 196 Modules You will be instructed to swipe the same finger across the reader a number of times. Go to any of the disks listed under Select Disks: and select a disk name and press. How multiple displays. Fan Outlet/Intake 2. Press Enter to create the volume, and confirm the selection by pressing Y. Keys Function/Visual Indicators Keys Function/Visual Indicators * Fan Control Toggle Fn + Automatic / Full Control Toggle Fn + Automatic / Full Control Center Toggle (see over) Fn +... Page 248 Troubleshooting Problem Possible Cause - Solution The computer feels too hot. Modules Fingerprint Reader Module The fingerprint reader module provides a high level of security for your computer. Any hotkeys chosen will be locked by the applications. 16. Note that incorrect settings can cause system instability and even possible component damage, so this is adjusted at your own risk. In Bluetooth Settings make sure that Allow Bluetooth devices to find this PC check box (Discovery) has a check inside it. Storage Devices, Mouse, & Audio Setup for Audio sources on your computer at optimum quality follow the instruc- tions below: Click Control Panel and make sure you are in Classic View. Control Center & Flexikey® TouchPad/Camera (Device) Click either of these buttons to toggle the TouchPad or camera module's power status. Page 356 Video Driver Controls Click the Video menu at the top of the screen to display the sub-menus. The Image Enhancement menu allows you to adjust the Sharpness, Skin Tone Enhancement, Noise Reduction, Contrast Enhancement and Film Mode Detection. Line-Out Jack Multi-in-1 Card Reader 4. Touchpad Right-click the Start Guide Keyboard Backlight Application (for Illuminated Colored Keyboards) The Keyboard Backlight application can be accessed by pressing the Fn plus key (or by clicking the Flexikey button in the Gaming section of the Control Center, and then clicking the Backlight tab). The system will decrease LCD brightness slightly to save power when it is not powered by the AC/DC adapter plugged in button1-45 Storage Devices, Mouse, &... Use the Intel HD Control Panel to configure displays in Hybrid mode. Check the volume control in the Volume is very low. Quick Start Guide System Startup 1. Press the + P key combination. SSDs When the Intel®... • Your AC/DC adapter may be designed for Mode1-41 Power Options international travel but it still requires a Power Safety Warning steady, uninterrupted power supply. As TPM is usually administered within large enterprises and organizations, your system administrator will need to assist you in managing the information here. Battery life varies depending on the applications and the configuration you're using. If you are unsure please contact your service representative. Attach your display to the appropriate port, and turn it on. To optimize the life and improve its performance, fully discharge and recharge the battery at least once every 30 days. Page 286 Control Center & Flexikey® Enter the IP Address shown at the bottom of the Control Center screen into the area provided in the App (you can click the Setting Tool if you want to change the language interface). 10. Follow the on-screen instructions to setup BitLocker, and make sure you have a removable media (e.g. Module (For Model A Computers Only) Wireless Device If you want to change the language interface). 10. Follow the on-screen instructions to setup BitLocker, and make sure you have a removable media (e.g. Module (For Model A Computers Only) Wireless Device If you want to change the language interface). (Universal Mo-Operation Aboard bile Telecommunications System or High Speed Packet Access) module or LTE Aircraft (Long Term Evolution) 4G module (see "Communication"... Vent/Fan Intake 2. Mini DisplayPort - Design I Design I Only 6. Figure 6 - 43 ® IRST - Intel ** Optane Memory (Enabled) Intel® Rapid Storage Technology 6 - 65... Control Center & Flexikey® Enabling Time Record If you want to create a delay between key presses within the key combination, then you can use Time Record function to do so. Page 321 Video Driver Controls HDMI Notes • Connect a device with HDMI support to the HDMI-Out port BEFORE attempt- ing to play audio/video sources through the device. Click 3.Install Combo BT Driver > Yes. Microsoft Hybrid Graphics Mode - This seamless technology is designed to get best performance from the graphics system while allowing longer battery life, without having to manually change settings. Multi-in-1 Card Reader The card reader allows you to use the most popular digital storage card formats: 5. Information contained herein is for reference only and does not constitute a commitment on the part of the manufacturer or any subsequent vendor. • Polymer batteries may experience a slight expansion or swelling, however this is part of the battery's safety mecha- nism and is not a cause for concern. Modules Chapter 6: Modules Overview This chapter contains the information on the various modules (some of which are optional) which may come with your computer, depending on the configuration purchased. Page 353 Video Driver Controls Options and Support Hot Key Manager in Options and SupportA-3 Security Lock SlotA-3 USB 3.1 (USB 3.1 Gen 2 Type C) Port ... etc. Click Apply > Yes to save any further changes. Keep the computer away from high capacity transformers, electric motors, and other strong magnetic fields. Page 31 Preface RJ-45 LAN JackA-4 USB 3.0 (USB 3.1 Gen 1 Type A) Port Option # and use the arrow keys to select any device in order to move its boot priority up and down the list (the selected device will be highlighted in white). BIOS Utilities Boot Menu Figure 5 - 10 Boot Menu BIOS Screens Note that BIOS screens Note that BIOS screens Note that BIOS screens Note that BIOS screens pictured these pages are intend- ed for guidance in set- ting up your system's BIOS. Close the display panel and make sure it's latched. Page 170 Modules Insert the Device Drivers & Utilities + User's Manual disc into the CD/DVD drive of the operable computer. Drivers & Utilities + User's Manual disc into the CD/DVD drive of the operable computer. Enter to access the Security Device Support menu and select Enable to support TPM (see "Trusted Platform Module"... Page 296 Control Center & Flexikey® You can edit the delay between the key presses by clicking in the Delay Time (MS) field and typing a new number for the delay between the key presses. Click on Save to save any custom changes to the set levels and effects. Quick Start Guide Bottom View - Model A - Design I Figure 1 - 20 Bottom View Model A - Design I 1. Control Center & Flexikey® Keyboard Settings - Disable You can use the program to disable any keys not required. Mini DisplayPort 1.3 The Mini DisplayPort is a miniaturized version of the DisplayPort, which is a digital display interface standard that allows a digital audio/video interconnect, between the computer and its external display or a home-theater system, and you will need to prepare the following in order to do so. In this case the system is running in the same way as a system without a discrete graphics solution. Quick Start Guide Windows 10 Taskbar In many instances throughout this manual you will see an instruction to access the notification area of the task- bar. Preface Contents NoticeI ErP Off Mode Power Consumption Statement: Page 344 Video Driver Controls Setting up G-SYNC

Go to the NVIDIA Control Panel. Power Management Chapter 3: Power Management To conserve power, especially when using the battery, your computer ly depending on your (the monitor and hard disk drive) or the whole system. Click TPM Administration. Click Enable. Page 350 Video Driver Controls Click the Display menu at the top of the screen to display the sub-menus. • Do not continue to use a battery that has been dropped, or that appears damaged (e.g. bent or twisted) in any way. The key will now be configured to send the text message in the target program under your chosen Profile, and the key will appear in blue. Power Management Battery The battery allows you to use your computer while you are on the road or when an electrical outlet is unavailable. To configure displays in Discrete mode use the NVIDIA Control Panel (see page 16). Page 283 Control Center & Flexikey® Flexikey® Flexikey® Flexiccess Application is normal so that a standard set of keys used may be recorded. When you select a heading, a Setup Menus new screen appears. Specifications Note Memory Storage Dual Channel DDR4 For Most Model A Designs & Model B: Two Changeable 2.5" Hard Disk Drives Four 260 Pins SO-DIMM Sockets (HDD) / Solid State Drives (SSD) RAID 0/ CPU Speed & Computer in DC Mode Supporting DDR4 2400 MHz 1 with SATA (Serial) Interface: *Memory Modules (real operational... Preface Power Safety The computer has specific power requirements: • Only use a power adapter approved for use with this computer. Click Yes to begin the process (this may take some time). Page 125 Power Management Click Change plan settings (after creating it) and click Change plan settings > Change advanced power settings. Preface Instructions for Care and Operation The notebook computer is quite rugged, but it can be damaged. battery only allows it to go in one way). Page 191 Modules Enter a network security key (password) if required, and click Next. Page 181 Modules Select SATA Mode (see page 12), press and select "Intel RST Premium". to a working outlet, or by battery with a This function may not work with certain external USB compliant devices (check capacity above 20%. SIM Card Reader (for 3G/4G USIM ... Figure 6 - 54 Trusted Platform Module (TPM) Management on... Modules PC Camera Use the Fn + F10 key combination (see "Function Keys & Visual Indicators" on page 1 - 22) or Control Center button to toggle power to the PC Camera module. Modules Intel® Optane[™] Setup then follow the procedure be-low to do so. the Touchpad for any Click Mouse (Hardware and Sound >... Right-Click on a program's icon and select Pin to Start from the drop-down menu. Power Management Battery Information Follow these simple guidelines to get the best use out of your battery. Certain items (particularly processor types) may be changed, updated or delayed due to the manufacturer's release schedule. Click Option Drivers (button). Quick Start Guide Bottom View - Model A - Design II - 21 Bottom View Model A - Design II 1. Video Driver Controls Global Settings allows you to set the preferred graphics processor for overall use. G- NVIDIA® G-SYNC M SYNC is designed to provide a smooth game play experience from your GeForce Technology (supported product by synchronizing the monitor's refresh cycle to the GPU's render rate, thus by some LCD panels... You will be asked to add After you have set the supervisor pass- If you set a boot pass- word. 26. Each power mode will affect the Power Conservation Mode, Airplane Mode, Power Plan and PC camera power etc. Power Plan and PC camera power etc. Power Plan and PC camera power etc. data. • Make sure the Windows 10 OS DVD is in the attached DVD drive, as the com- puter starts up it will automatically boot from the DVD). Click Option Drivers. Page 281 Control Center & Flexikey® Overclocking should only be enabled when powered by a plugged-in adapter, and not on battery power. Modules RAID Setup - UEFI Enabled To configure your RAID (Redundant Array of Independent Disks) system in Strip- ing (RAID 1) modes (see Table 6 - 1, on page 6 - 4) you will require two identical hard disks or solid state drives. Page 329 Video Driver Controls The Help menus provide index and search features, and direct links to the NVIDIA website etc. Modules Sound Blaster AP to allow you to configure the audio settings to your requirements for the best performance in games, music and movies. Page 90 Storage Devices, Mouse, & Audio Plug in the speaker cables (you may require an adapter to connect each cable to the appropriate jack e.g a stereo mini to dual RCA adapter) from your speakers into the jacks as follows: • 2-In-1 Audio Jack (Headphone & S/PDIF Combo) = Side Speaker Out •... Figure 6 - 16 Intel(R) Rapid Storage Technology (Deconcatentate) Select Yes from the "Are you sure you want to perform deconcatentation" option Control Center & Flexikey @ Appendix B: Control Center & Flexikey @ overview The following chapter will give a quick description of the functions. Figure 6 - 40 @ IRST - Intel 11 Optane Memory (Enable) Enable The system will pop-up a message and ask you to select a compatible fast drive (in this case there should only be one option). Fingerprint Reader Make sure you have administrator's rights to your computer, and have a Windows and Power Saving password enabled for full security protection. Extended from the Select Display Mode menu. The wrong type of AC/ and the Ctrl + Alt + Del DC adapter will damage the computer and its components. Click "+" next to Video if its sub-items are not shown and then click either Adjust video color settings or Adjust video color settings or Adjust video image settings. Windows 10 uses the Sleep, Hibernate and Shut Down power-saving Support states. Figure 6 - 10 RAID Created 17. Storage Devices, Mouse, & Audio Setup for 5.1Surround Sound To setup your system for 5.1 surround sound you will need to connect the audio ca- bles to the 2-In-1Audio, Microphone-In and Line-Out jacks. Use the NVIDIA Control Panel to configure displays in Discrete mode. Subwoofer Speaker Overheating To prevent your computer from overheating To prevent your computer from overheating make sure nothing blocks the vent(s)/ fan intake(s) while the com- puter is in use. Built-In PC Camera Wireless Device 2. Fan Outlet/Intake Overheating To prevent your computer from overheating make sure nothing blocks the vent(s)/ fan intake(s) while the com- puter is in use. Go to Name: and press . Modules Intel Software Guard Extensions Driver which provides a set of in- structions allowing user-level code a degree of security, and privacy, from the oper- ating system. Completely discharges. 2-In-Audio Jack (Headphone / S/PDIF-Out Jack) Jack Microphone 3. To increase battery life, let the battery discharges. completely before recharging (see "Battery FAQ"... Click the Settings item in the Start Menu and then click Network and Internet. Page 333 Video Driver Controls Program Settings allows you to make specific adjustments for installed applications. After selecting MSHybrid, the computer's operating system (and some applica- tions) will automatically switch between the integrated UMA (Unified Memory Architecture) GPU (iGPU) and the discrete GPU (dGPU) when required by the ap- plications in use. Quick Start Guide Chapter 1: Quick Start Guide Chapte and to getting your system started. Scroll through the features listed on each screen to make chang- Setup menus es to Setup. Quick Start Guide System software pre-installed. Technology 12. Video Driver Controls NVIDIA Control Panel More advanced video configuration options are provided in the NVIDIA Control NVIDIA Control Panel tab. Page 1 V17.6.00... Double-click the icon (Figure 1 - 33) in the Windows control panel. Microphone Jack 3. Page 347 Video Driver Controls Double-click the intel(R) HD Graphics control panel. Microphone Jack 3. Page 347 Video Driver Controls Double-click the intel(R) HD Graphics control panel in the Windows Control Panel. Overclocking the GPU involves running your graphics processor at a faster speed than originally intended. Quick Start Guide LCD Panel Open - Model B Figure 1 - 3 LCD Panel Open Model B 1. Press and to "Save Changes and Reset", however ensure that the condition in the bulleted point below is met before doing so. Page 240 Modules 6 - 82. Click Connect to a wireless display (see overleaf if this does not appear) at the bottom of the Project screen and follow the steps to connect to any wireless enabled display. This can't anticipate every problem, but you should check here before you panic. Mini DisplayPort 3. Clearing TPM Use the arrow keys to select the Security menu. Move the cursor down (use the arrow keys) onto to X (o select the disk required and press. Modules Camera App Make sure the PC Camera is turned on by using the Fn + F10 key combination (or Control Center button). However note the following; • The SATA Mode should be set BEFORE installing an operating system, and after you have backed up all necessary files and data (see sidebar). Page 17 Preface On the Road In addition to the general safety and maintenance suggestions in this preface, and Chapter 8: Troubleshooting, keep these points in mind: Hand-carry the notebook - For security, don't let it out of your sight. To remove an app or program from the Start Menu right-click the icon and select Unpin from Start. Choose the options below (click Yes if a warning appears): Figure 3 - 16 Power Options Advanced Settings - Battery • Low battery levels = 0% • ... Setting Up SATA RAID, OptaneTM or AHCI Mode 6 - 27... Figure 1 - 10 - Sets Save & Exit Click Exit to quit the application without saving, or Save to exit and retain the settings. Usually the Internet APN is set automatically, however if your cellular data connection isn't working, you should try manually entering a new Internet APN based on your location and mobile operator. Specifications NVIDIA® G-385mm(w) * 271mm(d) * 25.4mm(h) SYNCTM Technology is supported by 2.6kg *Barebone System with 60WH some LCD panels and video adapters Battery only) Design Style Dependant Intel®... Video Driver Controls Microsoft Hybrid Graphics Mode featuring switchable graphics technology. After the process has been completed restart the computer. They assume no responsibility or liability for any loss or damage resulting from the use (or misuse) of this publication. Control Center & Flexikey® Mouse Settings - Launch App You can assign a mouse button to select it, and then click to select the mouse under your chosen profile, click on a mouse button to select it, and then click to select it, and then click to select the mouse under your chosen profile, click on a mouse button to select it, and then click to select the mouse under your chosen profile, click on a mouse button to select it, and then click to select the mouse under your chosen profile, click on a mouse button to select it, and then click to select the mouse under your chosen profile, click on a mouse button click to select the mouse under your chosen profile, click on a mouse button to select it, and then click to select the mouse under your chosen profile, click on a mouse button to select it, and then click to select the mouse under your chosen profile, click on a mouse button to select it, and then click to select the mouse under your chosen profile, click on a mouse button to select it, and then click to select the mouse under your chosen profile, click on a mouse button to select the mouse under your chosen profile, click on a mouse button to select the mouse under your chosen profile, click on a mouse button to select the mouse under your chosen profile, click on a mouse button to select the mouse under your chosen profile, click on a mouse button to select the mouse under your chosen profile. Troubleshooting Overview Should you have any problems with your computer, before consulting your service representative, you may want to try to solve the problem yourself. Collage and click Enable Collage and click Enable Collage mode is used to Click Enable Collage and click On. Specifications Appendix D: Specifications Isted in this Appendix D: Specifications Isted Iste are correct at the time of going to press. Page 167 Modules 17. This type of security is usually administrator before users can access security features. Models A & B Figure 4 - 3 - Optional Drivers Installer Screen Note that you need to install both the WLAN &... Use the Power item in the Start Menu and select Shut down. Quick Start Guide Not Included Operating Systems (e.g. Windows 10) and applications (e.g. word processing, spreadsheet and database pro- grams) have their own manuals, so please consult the appropriate manuals. When charging the battery, don't stop until the LED charging indicator light changes from orange to green. Power Management Settings Menu Power controls The Settings item in the Start Menu (and also as an App) gives you access to a num- ber of power settings control panels which enable you to quickly adjust power op- tions. The AC/AD combo module requires both may be necessary to uninstall the original driver. To do the WLAN & ... BIOS Utilities Security Menu The changes you make here affect the access to the Setup utility itself, and also access to your machine as it boots up after you turn it on. See Table 1 - 6, on page 1 - 22 for full function key combination If your keyboard is dam-aged or you just want to... These settings do not affect your machine or network passwords which will be set in your... Page 4 - 7 Setting Up SATA RAID, Optane[™] or AHCI Mode Page 6 - 2 Intel[®] Optane[™] Setup Procedure (no driver installation Video (VGA) Page 4 - 7 Page 6 22... Forced Off AC/DC Adapter If the system "hangs", Use only the AC/DC adapter that comes with your computer. Press Enter to select Create Volume. 2 * USB 3.1 Gen 2 (Type C) Port 4. Page 292 Control Center & Flexikey® Mouse Settings When an external mouse is attached, the mouse settings allow you to configure actions for the left, right and middle buttons of the attached mouse, and also for any backward and forward buttons if appli- cable (on a gaming type mouse). Video Driver Controls Attaching Other Displays - Intel HDGCP Note that you can use external displays connected to the HDMI-Out port and/or ex- 4K2K Videos on 4K2K ternal Mini Display (1.3) ports. Video Driver Controls Configure Other Displays Using Project You can configure attached displays from Project. Icon Color Description Icon Color Descr Devices & Options Note that you can use external displays connected to the HDMI-Out port and/or Mini Attaching Displays Display ports. Page 250 Troubleshooting Problem Possible Cause - Solution The sound cannot be heard or the volume might be set too low. Click Save to retain the setting changes, and then click OK when the system warning message appears, or Cancel to return to the utility. Page 172 Modules 18. Click Addi- tional power settings to go to the main power settings to go to the main power options control panel. Take the computer to your service representative or authorized distributor/supplier as soon as possible. In addition this jack also functions as a S/PDIF (Sony/Philips PDIF-Out Jack) Digital Interface Format) Out port allowing you to connect your DVD-capable PC to a Dolby AC- 3 compatible receiver for "5.1"... Quick Start Guide Function Keys & Visual Indicators The function Keys & Visual Indicators The function Keys and "non- fatal". Power Management Hibernate Hibernate uses the least amount of power of all the power-saving states and saves all of your information on a part of the hard disk before it turns the system off. Control Center & Flexikey® Keyboard Settings - Express Key To configure a single key to send multiple key combinations, or to create more useful shortcut keys, use Express Key Video Driver Controls Appendix C: Video Driver Controls Overview The basic settings for configuring the LCD are outlined in "Video Features" on Video Card Options page 1 - 40. Choose High performance (you may need to click Show additional plans to view the High performance plan) for maximum performance when the computer is pow- ered from an AC power source. 14. Vent/Fan Intake 3. Enable and select the keyboard under your chosen profile, click to select a key to disable, and then click to select a key to disable in Action Type. Click "Leave touchpad on when a mouse is connected"... Page 55 Quick Start Guide Sets The application allows you to save up to 3 sets of color and effect combinations. Intel SGX Driver Installation Make sure you have enabled Software Guard Extensions from Advanced Menu > ... Click Disk drives to check the Optane drive. Page 351 Video Driver Controls The Custom Resolutions. sub-menu allows you to adjust the display (or any at- tached display) to any width, height, refresh rate, color depth and underscan percent- age of your choice. Figure 3 - 15 Change Plan Settings / Change Advanced Power Settings Battery Information 3 - 23... Page 236 Modules BitLocker Drive Encryption can be used in conjunction with the TPM to encrypt data on the disk. You can choose to Add another finger (this is recommended) or Remove the current fingerprint reading. If you click on Network & Internet settings including Wi-Fi (can be turned on/off), Airplane mode and Wireless devices can be turned on/off) VPN, Dial-up, Ethernet and Proxy. Figure 2 - 16 Touchpad Gestures 2 - 18 Mouse & Touchpad Devices... • Power - Is the computer actually plugged into a working electrical outlet? 17. You can then adjust the settings for the game or high-end graphic application in use "on the fly", without having to quit or pause the program. See also "Clearing Intel® Optane"" on page 6 - 26 (however backup up any nec- essary files and data before deleting an Optane setup, as doing so will result in the loss of all data on the volumes). Cleaning Instructions (For Computer Models Supplied with Light Blue Cleaning Cloth) Some computer models in this series come supplied with a light blue cleaning cloth. Figure B - 26 - Time Record Between Key Presses Click to close the Time Record window. 2. Pressing this key combination will toggle you between the currently selected keyboard or mouse profile to the standard keyboard and/or mouse settings, and back again. This can be done in the BIOS (see "Overclocking Performance") Menu (Advanced Menu)" on page 5 - 11) or by using the Control Center utility (make sure you have installed the Control Center AP driver). BIOS Utilities Setup Screens The following pages contain additional advice on portions of the Setup. Video Driver Controls G-SYNC (for G-Sync Capable Displays & Video Cards Only) G-SYNC Support Click to put a check in the box to Enable G-SYNC (it is enabled by default). Modules To Make your Computer Discoverable to Bluetooth Devices. disc and click Install Drivers (button). However customization options are offered for users who prefer to set their own parameters for GPU usage Control Center & Flexikey® Statistics The Statistics tab allows you to record keys used in any application, and to disable any infrequently, or unused, keys to save any accidental incorrect key presses. Storage Devices, Mouse, & Audio Hard Disk Drive/Solid State Drive The hard disk drive (HDD) and/or solid state drive (SSD) is used to store your data Bottom Cover in the computer. Page 291 Control Center & Flexikey® Keyboard Settings The keyboard settings allow you to configure actions for any single key (or a combination of keys). Note the following when connecting multiple displays to your system. features a dedicated Discrete Graphics Mode, and a Microsoft Hybrid Graphics Mode fea- turing switchable graphics technology. Unplug the computer from the functions from the Mouse & touchpad control panel in Disabling the Devices in the Settings control panel as follows. Make sure that Intel®... This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. Figure 6 - 17 Intel(R) Rapid Storage Technology menu when complete (see Figure 6 - 13 on page 6 - 23). Preface General Battery Precautions • Only use batteries designed for this computer. To resolve this issue do the audio appears to be mono and not following (you will need to repeat this procedure after every boot up, restart, stereo. 18. You can use (or modify) an existing power plan, or Operation create a new one. Figure 2 - 11 Mouse &... If you need to disable Select Control Center, or the click the icon in the notification area of the taskbar, to access the Flexikey® application. Preface Polymer Battery Precautions Note the following information which is specific to polymer batteries only, and where applicable, this overrides the general battery precaution information overleaf. Page 310 Control Center & Flexikey B - 46... The settings will depend upon the external HDMI display to which you have connected. Control Center & Flexikey® GPU Switch (Gaming) Select if the system uses either Microsoft Hybrid Graphics Mode (MSHYBRID) or Discrete Graph dGPU will be powered off. Page 29 Preface Bluetooth Configuration in Windows6-45 Sound Blaster X-Fi MB-5 Audio AP Installation6-45 Intel® Software .6-55 Intel SGX Driver Installation .. .6-55 Intel®... Color Swatch The color swatch in the top right of the screen allows you to select a range of colors for your keyboard backlight by clicking on the color required. Preface R&TTE Directive This device is in compliance with the essential requirements and Guard Extensions Driver ... other relevant provisions of the R&TTE Direc- tive 1999/5/EC. Modules WLAN AC/AD Combo Driver Installation 1. Quick Start Guide Video Features You can switch display devices, and configure display options, from the Display Settings control panel. Page 294 Control Center & Flexikey® Click Save to save the settings within your chosen profile. Control Center & Flexikey® Mouse Settings - Express Text A mouse button click can be set to send a string of text within any application using Express Text. Close the control Center When in the Windows Desktop application (not in the Start screen) press the Fn + Esc key combination, or double-click the icon and select Run with graphics processor from the context iGPU or dGPU menu. Settings can be selected for when the system is powered by battery or is plugged in. HDDs & Intel® To enable Intel® Optane[™]... Page 355 Video Driver Controls Video menu allows you to brighten or darken movies, or to switch to vivid col- ors. Page 253 Troubleshooting Problem Possible Cause - Solution When the system is set to RAID Level 1 This is normal as the system is set to RAID Level 1 This is normal as the system is set to RAID Level 1 This is normal as the system is simply informing you that the RAID system is set to RAID Level 1 This is normal as the system is set to RAID Level 1 This is normal as the system is set to RAID system is set to safe. Modules WLAN Configuration in Windows 10 You can configure a wireless connection using one of the following options, how- ever make sure the Wireless LAN module is turned on (and not in Airplane Mode) before configuration begins. Control Center & Flexikey® Mouse Settings - Disable You can use the program to disable any mouse button clicks if not required. Touchpad Click the Settings in If you need to disable the Action Center). Use the sliders to adjust the settings for Core Increment, Memory Increment and Fan Speed Offset. Adjust the Resolution to make sure that it is at least 1024 * 768, although preferably 1366 * 768 or above. The Delay feature helps prevent recognizing taps on the pad by accident, by recog-nizing when your palm is resting on it or brushing its surface while you are typing. Some of the Control Panels and appli- cations referred to throughout the course of this manual can be accessed from here. Install Audio Driver > Yes. Troubleshooting Problems and Possible Solutions Problem Possible Cause - Solution You turned on the power but it doesn't Battery missing / incorrectly installed. Page 254 Troubleshooting Problem Possible Cause - Solution I have used Update Driver in Device It is very important that the drivers are installed in the order indicated in Chapter Manager (Unknown device > Other 4 (which is the numbered installation order on the Device Drivers & Utilities + Devices) to try and install the Airplane User's Manual disc). Troubleshooting Intel® Optane[™] is a combination of a compatible memory device and Intel Rapid Technology software. Modules Wireless LAN Module If you have included an Intel®, Qualcomm Atheros or WLAN AD combo module Wireless Device is on (i.e. the system is not in Airplane Mode) before installing the driver. These can hinder proper performance and damage your data. Page 102 Storage Devices, Mouse, & Audio The following is an overview of the main gestures you can use with your Touchpad. Video Driver Controls Intel HD Graphics Control Panel ® Advanced video configuration options are provided by the Intel HD Control Pan- ® el. Click BitLocker Drive Encryption (System and Security). When you are connected to the network access point it will display Connected status Select any connected to the network and click Disconnect from a the RAID in the pane on the right side of the window. Sound Blaster X-Fi MB-5 Audio AP Installation 1. If you want to clear all the settings click Restore to return to the default key setting. Click Restore to return to the default key setting. Double-click any detected display device in the list. Modules 3G/4G Configuration in Windows 10 You can configuration begins. Page 36 Preface XXXIV... Chipset 3. 3. Page 305 Control Center & Flexikey® Navigate to the executable file of the application and click Open. BIOS Utilities MSHybrid or DISCRETE graphics. The Mul- tiple Displays menu allows you to configure the display mode of any attached dis- plays (see "Attaching Other Displays - Intel HDGCP" on page C - 49) Page 113 Power Management Adding Hibernate/Sleep to the Power Menu as follows. Control Center & Flexikey® Keyboard Settings - Express Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within any application using EXPress Text A single key can be set to send a string of text within a single key can be set to send a string of text within a set to send a string of text within a set to send a string of text within a set to send a string of text within a set to send a string of text within a set to send a string of text within a set to send a string of text within a set to send a stri Belgium, Liechtenstein, Denmark, Lux- embourg, Finland, Netherlands, France, Norway, Germany, Portugal, Greece, Spain, Iceland, Sweden, Ireland, United Kingdom, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Slovakia, Poland, Slov- enia. Power off the computer and peripherals. Page 183 Modules 25. Preface IMPORTANT SAFETY INSTRUCTIONS Follow basic safety precautions, including those listed below, to reduce the risk of fire, electric shock, and injury to persons when using any electrical equipment: Do not use this product near water, for example near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool. If a net-3. Page 52 Quick Start Guide Brightness Click on any of the numbers (0 - 3) on the brightness bar to set the brightness level of the keyboard backlight. Video Settings from the Video Settings You can adjust video Color and image settings from the Video Settings from the Vi ALchemy The Creative ALchemy application can be run from the shortcut in the Start menu. Modules Setting Up SATA RAID, Optane[™], RAID Hard Disks/ it cannot be set to support both systems. Page 186 Modules Select "Start deconcatentation" and press . Preface FCC Statement (Federal Communications Commission) You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Drivers & Utilities Updating/Reinstalling Individual Drivers Note that you need to install both the WLAN & Bluetooth drivers for the WLAN & Bluetooth Combo If you wish to update/reinstall individual drivers it modules. Click Manage 3D Settings (3D Settings) and select Program Settings (3D Settings) and selec in microphone in my connected headset, order to hear any sound through your connected headset as follows: when trying to test the audio playback. Figure C - 37 Intel ® ... Page 290 Control Center & Flexikey® (and therefore any hotkeys or mouse profile functions currently in use) by using the Fn + Backspace key combination. The Touchpad buttons function in In order to improve pad much the same way as a two-button mouse. You can select the GeForce video card or CPU as a PhysX processor, or configure the computer to auto-select a PhysX processor ® ... Don't turn off the computer even if a message indicates the battery is critically low, just let the computer use up all of the battery power and shut down on its own. Place two fingers, slightly separated, on the Touchpad surface and slide both fingers in the direction required (in a straight con- tinuous motion). Page 25 Preface Proper handling of the Battery Pack3-21 Battery FAO 3-22 Drivers & Utilities What to Install4-1 Module Driver Installation4-6 Windows Security Message4-6 New Hardware Found4-7 Video (VGA)4-7... This is worth bearing in mind if you are experiencing any reduced performance (especially under DC/battery power). When the computer is on, you can use the power button as a Stand by/Hibernate/ Shutdown hot-key button when it ..4-7 Chipset. is pressed for less than 4 seconds (pressing and holding the power button for longer than this will shut the computer down). Click on the icon to connect. The keyboard LED may be configured using the Fn + key combination outlined in the table below. Page 82 Quick Start Guide You can also use the context menu (right-click the Start Menu icon or press the Windows logo + X key combination) to Sign out, Sleep, Hibernate, Shut down, and Restart. Camera Settings The Self Timer may be set to continue taking pictures until the camera button is pressed again. These settings can be exported or imported as required, and custom Profiles may be set and saved as required. Page 249 Troubleshooting Problem Possible Cause - Solution Nothing appears on screen. BIOS Utilities TPM Configuration (Security Menu) This sub-menu will allow you to enable/disable Trusted Platform Module (TPM) support, and to configure the TPM State. Click Enable G-Sync (you can select for ...full screen mode or .. for windowed and full screen mode). Control Center Control Center gives quick access to frequently used controls, power management features and enables you to quickly turn modules on/off. Click on any one of the options from the menu to select PC screen only, Duplicate, Extend or Second screen only. Quick Start Guide Front & Rear Views - Model B Figure 1 - 14 Front & Rear Views Model B 1. Smart Volume Setting for Smart Volume in SBX Pro Studio is set to Normal. Page 246 Troubleshooting • Don't over complicate things. Start-up your notebook computer and press ... Preface Cleaning Do not apply cleaner directly to the computer; use a soft clean cloth. After selecting MSHYBRID, the computer's operating sys- tem (and some applications) will automatically switch between the integrated GPU and the discrete GPU when required by the applications in use. 2-In-Audio Jack (Headphone / S/PDIF-Out Jack) Design II 2. If you have selected RAIDO (Stripe) then you can adjust the "Strip Size" to your requirements (it is recommended that you set the "Strip Size" to 128KB). Go to the Intel(R) HD Graphics Control Panel and click Displays (sub-menu). Press Enter and select the Capacity size (best set to default). Figure 3 - 11 Settings > Power & Sleep Settings Menu Power Controls 3 - 17... Page 327 Video Driver Controls The NVIDIA Control Panel provides additional video configuration controls and tools which allow quick access to features such as image settings, 3D Settings and video configuration. Warning for information on running the FlexiCharger for an ex- If you leave the FlexiCharger for an ex- If you leave the FlexiCharger for an ex- If you leave the sidebar warning for information on running the Controls Display Click either Display Settings or Color Settings to make displays. Quick Start Guide Right View Model B 1. Power Options 1 - 47... installation, you will be prompted to plug in a network 2. Anti-Virus programs are commercially available and the defini- tions file updates are usually downloadable directly from the internet. Intel(R) Rapid [MAIN MENU Storage Technology Create RAID Volume Acceleration Options... Page 238 Modules 3G/4G Module USIM Card Installation (For Model A Series Computers Only) Insert the USIM card as illustrated below (pay careful attention to the orientation USIM Card Orientation you can access upwards) until it clicks fully into position. 2 * USB 3.1 Gen 2 (Type C) Ports - Design II Design I Only 4. After installing the Intel® Rapid Storage Technology application you can access Device Manager (right-click the Start menu and select Device Manager). Page 205 Modules SBX Pro Studio Click the slider to adjust the levels. The Status of Intel® Optane[™] Memory is indicated in the Window. Drivers & Utilities Chapter 4: Drivers & Utilities This chapter deals with installing the drivers and utilities essential to the operation or Driver Installation & improvement of some of the computer's subsystems. Volume Adjustment The sound volume and make sure you are in Classic View. Quick Start, and click Start, ...IV FCC RF Radiation Exposure Statement: Start Guide Advanced Users If you are an advanced user you may skip over most of this Quick Start Guide. The application can also be used to configure the mouse buttons to create hotkeys for gaming etc. II FCC Statement Click Clone from the Select Display Mode menu Figure B - 28 - Key Set to Launch App If you want to remove any Launch App Key, select it and click on Restore. Figure C - 4 HDMI Device Properties C - 10 HDMI Audio Configuration... The mouse button click will now be configured to send the text message in the target program under your chosen Profile, and the button will appear in blue. You can Save Profile and name the Profile to recall the settings at any time. Video Driver Controls Configuring an External Displays. Pair your compatible device with your computer (see page 41) using a Bluetooth connection (for the App to work the computer and the device must be connected by Bluetooth). After restarting can access Device Manager (right-click the Start menu and select Device Manager). 25. Page 223 Modules Run the Intel® Rapid Storage Technology application to check the status. Click Next > Next. Control Center & Flexikey® GPU Overclocking Click the button to access the Graphics Processing Unit (or GPU) overclocking menu for certain types of CPU and GPU (contact your distributor or supplier to see if this is applicable to your model). When you first attach an external display... The Power button item in Start Menu (or the context menu) may be used to Shut down or Restart (you can also add Hibernate/Sleep to the menu - see page 46). Enable and select the keyboard under your chosen profile, click to select a key, and then click to select Express Text in Action Type. Page 24 Preface Power Management Overview3-1 The Power Sources3-2 AC/DC Adapter3-10 Resuming Operation3-4 Shutting the Computer Down 3-6 Power-Saving States3-8 Sleep3-12 Power overclocking the Fan Speed will also automatically be set to overclock (do not adjust this fan speed setting if you have enabled CPU overclocking). The screen controls need to be adjusted. Figure 6 - 53 BitLocker Drive Encryption (TPM Administration) Trusted Platform Module 6 - 75... Go to the Intel(R) HD Graphics Control panel and click Display > Multiple Displays (sub-menu). Video Driver Controls NVIDIA GeForce Experience (and you will need remain connected NVIDIA GeForce to the internet to run NVIDIA GeForce Experience) you can click the NVIDIA GeForce Experience (and you will need remain connected NVIDIA GeForce) to run the application. Page 368 Specifications D - 6... Page 199 Modules Bluetooth Configuration in Windows Click the Bluetooth icon in the taskbar and click Add a Bluetooth Device). Click Bluetooth and under Related Settings click More Bluetooth options (or click the Bluetooth icon in the taskbar and click Add a Bluetooth Device). the taskbar Open Settings). Video Driver Controls Display Port and/or DisplayPort compatible cable connected to a Audio & HDMI DisplayPort 1.3 to connect an external display. Click Apply to save changes Changing the Double-click Display (if the sub-menus are not visible), and then click Set up Primary Display on multiple displays. Adjust the settings using the sliders in the menu or click Advanced display settings (Figure 1 - 31) to change resolution. Note that your model may appear slightly dif- ferent from those pictured in this manual. All rights reserved. If you can change the date and time settings in your operating system, you will also change these settings. Note the following: •... Click Manage and click Advanced. Page 330 Video Driver Controls Customization Options One of the most important aspects of hybrid technology is that it will switch between Display GPU the integrated GPU and discrete GPU seamlessly and automatically, and does not re- Activity Icon quire any input from the user. Optane M click Disable. Page 218 Modules Verifying and Repairing RAID Volume Data Run the Intel® Rapid Storage Technology application. Page 222 Modules Verifying and Repairing RAID Volume Data Run the Intel® Rapid Storage Technology application. system is powered by the powered AC/DC adapter, and not by battery only. Make sure the computer isn't sitting on a thermal surface (see "Overheating"... The initial screen will display the default Express settings as indicated below. Page 83 Quick Start Guide Minimum Screen Resolution Settings Windows 10 has minimum screen resolution requirements. Page 95 Storage Devices, Mouse, & Audio Figure 2 - 7 Mouse Properties Control Panel 2 - 11... 5 - 6 Main Menu... When transferring data between the computer and a Bluetooth enabled transferring very slowly. Alternatively you can go through the menus to make adjustments to your preferences for Display, Color, Video, Op- tions and Support and Power (tick any boxes for the settings required), and then Save the settings to a profile (which may be imported Interface Card Slots by 2-in-1 Audio, Microphone, & Line-Out Two USB 3.1 Gen 2 Ports (Type C) Four (Model A Design I) OR Three Jacks) (Model A Design II & Model B Series) Three USB 3.0 Ports (USB 3.1 Gen 1, For Design I Series: M.2 Card Slots: including 1 AC/DC Powered USB Port) Specifications Communication Power & Battery BIOS Built-In 10/100/1000Mb Base-TX Embedded 4 Cell Polymer Battery Pack 64Mb SPI Flash ROM Ethernet LAN 60WH AMI BIOS 2.0M FHD PC Video Camera Module For Design I Series: Operating System Full Range AC/DC Adapter - AC in 100 - Intel®... Page 165 Modules Select Create RAID Volume and press . BIOS Utilities Chapter 5: BIOS Utilities BIOS Screens Overview Note that BIOS This chapter 5: BIOS Utilities Chapter - AC in 100 - Intel®... Page 165 Modules Select Create RAID Volume and press . BIOS Utilities Chapter 5: BIOS Utiliti pictured these pages are intend- Diagnostics: The POST (Power-On Self Test) ed for guidance in set- ting up your system's BIOS. Press the play button to test settings. Check with your distributor/supplier for details. Insert the Device Drivers & Utilities + User's Manual disc into an attached DVD drive. The basic video features for this computer can be configured using the Intel(R) HD Graphics Control Panel, Windows Display Settings or NVIDA con- Note that card types, trol panel. Click Bluetooth and make sure Bluetooth is On and a list of discovered devices will appear. Modules Fingerprint Module Configuration Click the Settings item in the Start Menu and then click Sign- PIN Code in options. When the computer and Android compatible device are connected, go to the Control Center >... Page 99 Storage Devices, Mouse, & Audio You to use a specific gesture or taps on the surface of the pad to perform specific actions to manipulate documents, objects and applications, and these may be en- abled or disabled by clicking on the appropriate button. Page 300 Control Center & Flexikey® Click in Send key if required (the Send key is the key used to in your target program to send a text message e.g the Enter key would be the most commonly used), or .B-8 Headphone you can leave it blank if you prefer. Page 32 Preface TouchPad/Camera (Device)B-7 FlexiAccess (Device)B-7 Caps Lock/Scroll Lock/ Number Lock/Airplane ModeB-7 Left Windows Key (Gaming)B-7 GPU Switch (Gaming)B-8 Headphone (Gaming)B-14 Memory OverclockingB-15... Modules RAID Setup (2 * PCIE SSDs) - UEFI Enabled If you are setting up a RAID using 2 * PCIE SSDs, with the Windows 10 OS in- stalled on one of them, then follow the setup procedure below: To configure your RAID (RAID 1) modes (see Table 6 - 1, on page 6 - 4) you will... Troubleshooting Resolving the "Can't connect to this network" issue with the 3G/4G Module If you have issues connecting to the cellular network when you are attempting to use the 3G/4G network then you are connecting and click Next. Drivers & Utilities Optional Drivers See the pages indicated in Table 4 - 1, on page 4 - 4 for the driver installation procedures for any modules in- cluded in your purchase option. Figure C - 9 Help Menu NVIDIA Control Panel C - 19... BIOS Utilities Failing the POST Errors can be detected during the POST. Mode Buttons Random Color Wave Up/Down... Quick Start Guide Flexikey® Application Features: For full details see "Flexikey® Applications which have a complex to configure a single key (or mouse click) to send multiple key combinations, or to create more useful shortcut keys This is useful in gaming or when using applications which have a complex to configure a single key (or mouse click) to send multiple key combinations, or to create more useful shortcut keys This is useful in gaming or when using applications which have a complex to configure a single key (or mouse click) to send multiple key combinations, or to create more useful shortcut keys This is useful in gaming or when using applications which have a complex to configure a single key (or mouse click) to send multiple key combinations, or to create more useful shortcut keys This is useful in gaming or when using applications which have a complex to complex to configure a single key (or mouse click) to send multiple key combinations, or to create more useful shortcut keys This is useful in gaming or when using applications which have a complex to configure a single key (or mouse click) to send multiple key combinations, or to create more useful shortcut keys This is useful in gaming or when using applications which have a complex to configure a single key (or mouse click) to send multiple key (or mouse click) to set of keyboard shortcuts. Figure 2 - 14 Mouse & Touchpad Select Actions The three finger-drags & slides gesture may be used to enhance navigation with a variety of applications such as browsing the Internet or scrolling through a photo viewer. Figure 6 - 51 Photo App (For Captured Photos & Videos) 6 - 72 PC Camera... Mini DisplayPort 1 USB Ports HDMI Port / Mini Display Port Note that the connections to... If the computer falls, the case and the components could be damaged. BIOS Utilities Secure Boot Control prevents unauthorized operating systems and software from loading during the startup process. Make sure the system is not in Airplane Mode, and then insert the Device Drivers & Utilities + User's Manual disc into an attached DVD drive. Page 338 Video Driver Controls The Primary display (the main window display) will be denoted by an asterisk the top right corner of the icon. Not all of these apps can fit on the screen so may need click and drag the handles at the edge of the screen to expand the menu in order to view all the apps (you can use the scroll bar to move up and down the screen). Control Center & Flexikey® Display Utility icon will only appear in the System Program menu if your display's resolution is QHD (2560 * 1440) or above. Click Verify and click Verify (button) to begin the process (in some cases you may be required to initialize a volume before verification). Page 362 Video Driver Controls To Enable Collage Mode: Attach your external display to the appropriate port, and turn it on. Page 362 Video Driver Controls To Enable Collage Mode: Attach your external display to the appropriate port, and turn it on. desktop and select Intel(R) Graphics Settings from the menu. Windows Update 3. Make sure both your computer and the device must be connected to the same network - see page 32). Figure 6 - 7 Select Disks (Advanced >... Click the Statistics Tab, and press Start Record to start recording the frequency of key presses for keys used. The less you have to deal with then the easier the source of the problem may be found; Example - if your computer has many devices plugged into its ports, and a number of programs running, then it will be difficult to determine the cause of a problem. However backup up any necessary files and data before deleting a RAID, as doing so will result in the loss of all data on the RAID volumes. Click Close when complete. 5 - 8 Advanced Menu... Other Applications • To play audio sources through your external display's (TV or LCD) speakers If you are using a third you will need to go to the audio configuration control panel on the display and party application to play... This is disabled by default and Overclocking Issues should be enabled before installing the driver (see page 55). Profiles The menus on the left side of the application relate to Profiles. Line-Out Jack 4. Page 98 Storage Devices, Mouse, & Audio Touchapd Taps Make sure "Allow taps on the touchpad" is on if you want to use the tap feature. Access the Microsoft BitLocker Drive Encryption control panel (System and Security). Modules Bluetooth Wireless Device module (either Intel®). Qualcomm Atheros or WLAN AC/AD module) then in- Operation Aboard stall the driver as instructed on the following pages. Page 5 Preface CE Marking This device has been tested to and conforms to the regulatory requirements of the European Union and has at-tained CE Marking. Where this is not the case, or where you are re-configuring your computer for a different system, you will find the Windows 10 (64-bit) operating system is supported. In Win- dows 10 it is possible to quickly configure external displays from the Project menu (press the Windows logo on your keyboard and the P key). Run the Intel® Rapid Storage Technology appli- cation from the item in the Start menu. This chapter lists some common problems and their possible solutions. Figure 6 - 27 Sound Blaster X-Fi MB5 Profile ... Figure 6 - 12 SATA Mode Selection (BIOS) Press and to "Save Changes and Reset". Click OK to retain the saved changes or Cancel to return to the utility. Modules Intel Rapid Storage Technology Application ® Make sure you install the Intel® Rapid Storage Technology application if you have set up your HDDs/SSDs in AHCI, RAID, OR Optane[™] mode (see "Intel® Rapid Storage Technology" on page 6 - 56). Modules Trusted Platform Authentication. Page 331 Video Driver Controls Close the NVIDIA Control Panel. Storage Devices, Mouse, & Audio Chapter 2: Storage Devices, Mouse, & Audio Overview Read this chapter to learn more about the following main features and components of the computer: • Hard Disk Drive/Solid State Drive • Multi-in-1 Card Reader • Audio Features •... Click Battery saver settings to adjust the battery saver level. Run the Intel® Rapid Storage Technology application. Page 174 Modules 26. Control Center & Flexikey® Mouse Settings - Express Key. Page 287 Control Center & Flexikey® When playing any game or high-end graphics solutions feature a dedicated Graphics Processing Unit (GPU) which are capable of playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Processing Unit (GPU) which are capable of playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Processing Unit (GPU) which are capable of playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Processing Unit (GPU) which are capable of playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Processing Unit (GPU) which are capable of playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Processing Unit (GPU) which are capable of playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Processing Unit (GPU) which are capable of playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Processing Unit (GPU) which are capable of playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Playing games, watching HD video or running GPU-based ap- plications feature a dedicated Graphics Playing games, watching HD video or running GPU-based ap- plications feature a dedicated GPU-based ap- plications feature a dedicat Video Driver Controls Wireless Display Wireless Display uses your Wireless LAN module/WLAN Bluetooth Combo mod- Compatible Adapters with your particular WLAN/Combo module) in conjunction with a compatible video adapter/display device (purchased separately) to allow you to display the For a list of compatible contents of the notebook display on another display (e.g. Video Driver Controls Wireless display in Windows 10. Don't forget to note the serial numbers if you are storing them out of their original cases, e.g. in a CD wallet. Quick Start Guide Windows 10 Start Menu Most of the apps, control panels, utilities and programs within Windows 10 Can be accessed from the Start Menu by clicking the windows 10 OS DVD and press. Disable Intel® Optane[™] if you want to reinstall/ reset the system or up- date the IRST driver. The CE Mark applies to products regulated by certain European health, safety and environmental protection legislation. Toggle the sleep/resume key combination, Fn + F12 (see "Configuring the Power Buttons" on page 3 - 10). Power Management Resuming Operation You can resume operation from power-saving states by pressing the power button, or in some cases pressing the sleep button (Fn + F12 key combo). System Time & Date (Main Menu) The hour setting uses the 24-hour system (i.e., $\emptyset\emptyset$ = midnight; 13 = 1 pm). Power Management Power Plans The computer can be configured to conserve power by means of power plans (Con- Resuming trol Panel > Power Options). Drivers & Utilities Audio 1. Click 1.Install WLAN Driver > Yes. Run the Camera app from the Start menu). Control Center & [®] Power Modes You can set a Power Mode by clicking the appropriate icon at the top of the Control Center. Video Driver Control panel. Display Utility The Display Utility icon will only appear in the Sys-... Drivers & Utilities User Accoun Control If a User Account Control prompt appears as part of the driver installation procedure, click Continue or Driver Installation procedure as direct- The driver installation procedure as direct- The driver installation procedure as direct-Settings You can disable the Touchpad by clicking the Touchpad button to turn it off. PC Camera LED Operation Aboard 3. Page 4 - 4 (the drivers must be installed in this order) which is the same as that listed in the Drivers Installer menu below. Page 260 Troubleshooting 7 - 20... See your external display device's Connection manual to see which formats it supports. Page 200 Modules Enter the code into your Bluetooth enabled device and click Yes on the computer to complete the pairing. Fatal Errors These stop the boot process and usually indicate there is something seriously wrong with your system. Page 219 Modules The completion percentage will be listed under Status (verifying and repairing). Control Center & Flexikey® Flexikey® Flexikey® Flexikey® Application Features • EXPRESS KEY - This feature allows you to configure a single key to send multiple key combinations or to create more useful shortcut keys. Note: Set your system's volume to a reduced (Headphone-Out & S/ level before connecting to this jack. 15. The Display Utility allows you to adjust text size on the screen to make it easier to view. 19. Options Go to the NVIDIA Control Panel. Improper work habits can result in discomfort or serious injury from repetitive strain to your hands, wrists or other joints. Page 28 Preface AHCI Mode6-2 RAID6-5 RAID Setup - UEFI Enabled6-6 RAID Setup (2 * PCIE SSDs) - UEFI Enabled6-11 RAID Setup - UEFI Disabled ...6-21 Intel®... The icon will appear dimmed when it is off Note that the power status of the camera module is also effected by the Power Mode selected (see Table B - 1, on page B - FlexiAccess (Device) Click the button to run the FlexiAccess application in conjunction with your .6-17 Deleting a RAID (Windows 10) overclocked GPU (see... Even if the computer continues to work with a damaged battery in place, it may cause circuit damage, which may possibly result in fire. Page 337 Video Driver Controls Extending the Display to the appropriate port, and turn it on. Install the Intel Rapid SSDs Storage Technology application (after installing all necessary drivers in the correct Note that Intel®... Select TPM Configuration and press En- ter to access the sub-menu. Page 35 Preface InterfaceD-3 Card Slots D-4 Power ManagementD-3 Card ReaderD-3 CommunicationD-4 Power & BatteryD-4 BIOSD-4 Operating SystemD-4 SecurityD-4 FeaturesD-4 Environmental SpecD-5 Dimensions & WeightD-5 XXXIII... can be clicking using the Go to the Sound control panel. Drivers If you .D-4 Indicators ... are installing new system software, or are re-configuring your computer for a different system, you will need to install the appropriate drivers. The key will appear in green. You need to either use Airplane Mode, or to turn the WLAN module off aboard aircraft. Page 54 Quick Start Guide Preview The bottom left section of the application allows you to preview setting changes made to colors on the keyboard. Page 274 Control Center & Flexikey® Click Advanced to adjust the settings to adjust the settings to adjust the setting setting changes made to colors on the keyboard. Boxes, Menus, Tool Tips & Palette Titles) in the lower half of the screen to customize the text size. Click Collage from the Select Multiple Display Mode menu. You should select two identical hard disks/SSDs to form your RAID volume. Operation Aboard Aircraft Make sure you install the drivers in the order indicated in Table 4 - 1, on page 4 - The use of any portable •... The display will then connect (for specific settings for your display see the documentation supplied with your compatible adapter/display ... Click OK to close the Sound control panel. Warning Entering Setup Incorrect settings can cause your system to To enter Setup, turn on the computer and not system to To enter Setup Incorrect settings can cause your system to To enter Setup. application performance. Click the menu headings and then click any of the buttons outlined on the following pages. Troubleshooting Basic Hints and Tips Many of the following may seem obvious but they are often the solution to a problem when your computer ap-Password). LED Power Indica- tors 2. Modules WLAN AC/AD WiGig Driver to support the high speed 802.11ad standard for your AC/ AD WLAN (the Intel and Qualcomm modules do not require this driver). Click 7.Install Control Center AP > Yes. Power Management The Power Sources The computer can be powered by either an AC/DC adapter or a battery pack. Adjust Power Conservation Modes from the Control Center: Modes The Power Saving set- Press the Fn + Esc key combination to toggle the Control Center on/off. Power Management Proper handling of the Battery pack • DO NOT disassemble the battery pack under any circumstances • DO NOT expose the battery to fire or high temperatures, it may explode Caution • DO NOT connect the metal terminals (+, -) to each other Danger of explosion if battery is incorrectly re- placed. Preface Servicing Do not attempt to service the computer yourself. Click Save to retain the settings. Page 206 Modules Scout Mode Click on the power button to enable Scout Mode to enhance your ability to hear enemies in games from a further distance away than would normally be possible. If you click the Power icon in the lower right corner of the screen a power management option menu ap- pears to display Sleep, Shut down, and Restart. BIOS Utilities OffBoard SATA/NVme Controller Configuration (Main Menu) Pressing Enter opens the sub-menu to show the configuration of any devices on the off board SATA/NVme Controller if applicable. Click to select a key for the shortcut action, and then click to select Express Key in Action Type. Page 72 Quick Start Guide Pining/Unpinning Apps & Programs to/from the Start Menu. Page 361 Video Driver Controls To Enable Extended Mode: Attach your external display to the HDMI-Out port/external monitor port, and turn it on. Click Install Drivers (button), or Option Drivers (button) to access the Optional driver menu. Secure Boot is available as a menu option if you have enabled UEFI Boot (see "Boot Menu" on page 5 - 18). Click System to access the menu including the power option settings. You can also choose to restore the original Setup defaults that will re- turn the Setup to its original state, and erase any previous changes you have made in a previous session. Control Center & Flexikey® Power Status (System Program) The Power Status icon will show whether you are currently powered by the battery, or by the AC/DC adapter plugged in to a working power outlet. Enter the Aptio Setup Utility pressing F2 during the POST/startup. Along the top of the screen is a menu bar with menu headings. After the restart the TPM will be prepared and you can then use the Actions menu to Turn TPM off, Change Owner Password, Clear TPM or Reset TPM Lockout. Modules Intel® WLAN Driver Installation 1. Click Save when exiting the application to retain the setting. Alternatively you can press as the computer starts up to bring up the boot device menu. Quick Start Guide Front & Rear Views - Model A Figure 1 - 13 Front & Rear Views Model A 1. Figure C - 8 NVIDIA Control Panel... Storage Devices, Mouse, & Audio Multi-in-1 Card Reader The card reader allows you to use some of the latest digital storage cards. Choose the RAID Level required (see Table 6 - 1, on page 6 - 4 for details) and press. To access the Ge- Double-click NVIDIA Control Panel in either Large Force.. Click the message "Tap to choose what happens with this disc." Click Run autorun.exe. Select a device and click Remove Device to disconnect from any device. Attach your external display to the appropriate port, and turn it on. Storage Devices, Mouse, & Audio Touchpad and Buttons/Mouse The Touchpad and Buttons/Mouse The Touchpad is an alternative to the mouse; however, you can also add a mouse to Touchpad and Buttons/Mouse The Touchpad and Buttons/Mouse The Touchpad is an alternative to the mouse; however, you can also add a mouse to Touchpad and Buttons/Mouse The Touchpad and Buttons/Mouse Advanced Chipset Control) Intel provides SGX, which is a set of instructions allowing user-level code a degree of security, and privacy, from the operating system. Page 18 Preface Developing Good Work Habits is important if you need to work in front of the computer for long periods of time. Control Center & Flexikey® Memory Overclocking Click the Memory tab at the bottom right of the screen and the Memory overclocking tab will pop out to allow adjustments to be made. Check the battery bay, make sure the work. Page 171 Modules Figure 6 - 6 Name the RAID Volume (Advanced > Intel(R) Rapid Storage Technology) 16. Video Driver Controls Set Digital Audio As HDMI (High-Definition Multimedia Interface) carries both audio and video sig- nals you can configure the audio output from the NVIDIA control panel. The CE Mark is a conformity marking consisting of the letters "CE". Storage Devices, Mouse, & Audio Setup for Headphones/Speakers - Line-Out Jack To connect either headphones or speakers to the Line-Out jack follow the instruc- tions below: Auto Pop-Up Dialog Plug either the headphones or speakers in to the Line-Out jack. Page 80 Quick Start Guide To access the NVIDIA Control Panel: Right-click the desktop and select NVIDIA Control Panel: the Vent/Fan intakes are not blocked. Use the computer with battery power until it shuts down due to a low battery. Choosing to Discard Changes, or Exit Discarding Changes, or Exit Discarding Changes, or Exit Discarding Changes, or Exit Discard Changes, or Exit viding additional video configuration controls and tools which give access to fea- tures such as display configuration, 3D Settings etc. Figure 6 - 42 Bluetooth &... If you do SATA Mode wish to change the SATA mode then backup any necessary data on your hard disk(s) Selection... Page 307 Control Center & Flexikey® Click in Send key if required (the Send key is the key used to in your target program to send a text message e.g the Enter key would be the most commonly used), or you can leave it blank if you prefer. You can Add or Delete Profiles (you can main- tain 12 active Profiles), Export and Import profiles from the menus. Page 212 Modules Testing 5.1 Surround Sound (Advanced Settings) If you are using the Sound Blaster X-Fi MB5 control panel (Advanced Settings) to test your headphones/speakers, set up as a 5.1 surround sound system with the mi- crophone jack enabled as the "Center/Subwoofer" (see Figure 2 - 3 on page 2 - in the Realtek HD Audio Manager, you may not hear the low Subwoofer test tone as some headphones/speakers do not support low frequencies. Page 256 Troubleshooting Problem Possible Cause - Solution A file being copied to/from a connected You may have the Bluetooth control panel (Settings > Devices > Bluetooth) Bluetooth device appears open. Power Management Power-Saving States You can use power-saving states to stop the computer's operation and restart where Wake On LAN you left off. Refer all service personnel. Click Choose what the power buttons do on Protection the left menu in Power options to bring up the menu. BIOS Utilities Exit Menu Figure 5 - 11 Exit Menu Click Save Changes and Reset to save all changes made. The remainder of the manual covers the following: •... Page 119 Power Management Power & Sleep Power & Sleep gives you guick access to Screen and Sleep settings. 4. Figure 6 - 29 Sound Blaster X-Fi MB5 Scout Mode 6 - 48 Sound Blaster Audio... Interface (Ports & Jacks) Appendix A: Interface (Ports & Jacks) Overview The following chapter will give a guick description of the ports & jacks which allow your computer to commu- nicate with external devices, connect to the internet etc. Adding Hibernate/Sleep to the Power Men Go to the internet etc. may violate the terms of your warranty. Control Center & Flexikey® FlexiAccess - WiFi App Follow these instructions to connect with the FlexiAccess App via Wifi. Quick Start Guide Right View - Model A Figure 1 - 15 Right View Design I Model A 1. Video Driver Controls Configuring an External Display (NVIDIA) Clone the Displays Display Not Shown Attach your external display to the appropriate port, and turn it on. Figure C - 19 HDCP Status... Click Apply > Yes to save your work. Panel Go to the Control Panel. However backup up any necessary files and data before clearing an Intel® Optane[™] setup, as doing so will result in the loss of all data on the volumes. Video Driver Controls HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display is HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display is HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display is HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display is HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display is HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display is HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display the HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display the HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display the HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display the HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display the HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display the HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display the HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display the HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display the HDCP (High Bandwith Digital Content protection) com- patible then the NVIDIA control panel will display the HDCP (High Bandwith Digital Content protection) com- panel will display the HDCP (High Bandwith Digital Content protection) com- panel will display the HDCP (High Bandwith Digital Content protection) com- panel will display the HDC mode you will receive a message (see overleaf) to notify you that doing so may prevent your operating system from booting, and may require a reinstall of the OS. Push the Push-Push Card card into the slot and it will appear as a removable device, and can be accessed in Reader the same way as your hard disk (s). Page 354 Video Driver Controls Click the Options menu at the top of the screen to display the sub-menus. Enable and select the mouse under your chosen profile, click on a mouse button to select it, and then click to select Express Key in Action Type. Do not expose the computer Do not place it on an unstable Do not place anything heavy... Modules Intel® Rapid Storage TechnologyC-24 Display Devices -..C-25 Configuring an External Display (NVIDIA)C-26 HDCP StatusC-30 Adjust Video SettingsC-32 G-SYNC NVIDIA CPC-31 Configure Surround, PhysX®C-33 Set Digital AudioC-35 Intel®... This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. Figure C - 33 Intel ® HD Graphics Control Panel Options and Sound) control panel. Figure 6 - 30 Sound Blaster X-Fi MB5 Voice FX Sound Blaster Audio 6 - 49... •... Page 360 Video Driver Controls To Clone Displays: Attach your external display to the HDMI-Out port/external monitor port, and turn it on. Preferences Go to the Preferences So to the Preferen press Enter to access the sub-menu. BIOS Utilities Note: To clear existing password entry) and Enter again to confirm the password (without typing any password entry) and Enter again to confirm the password clearance. Then refer servicing to qualified service personnel under any of the following conditions: •... Page 127 Power Management How do I fully charge the battery? The system is in a power saving mode. Modules RAID Volume Data Verification and Repair The RAID volume. 1. New Battery Always completely discharge, then fully charge, a new battery

(see "Battery FAQ"... When the Intel® Rapid Storage Technology application is launched the system will open the Status window. Use the left menu to select any installed games and click the button to move them to the right column to enable ALchemy support for the game. Quick Start Guide Windows 10 Control Panel In many instances throughout this manual you will see an instruction to open the Control Panel In many instances throughout the system will open the Status window. Use the left menu to select any installed games and click the button to move them to the right column to enable ALchemy support for the game. Quick Start Guide Windows 10 Control Panel In many instances throughout this manual you will see an instruction to open the Control Control Syou may make changes to any of the graphics properties by clicking the appropriate menu panel and adjusting the settings from the menus. Keyboard LED Sections The bottom right section allows you to select partial areas, or all, of the keyboard on which to apply the color changes and effects. Page 328 Video Driver Controls You may make changes to any of the graphics properties by clicking the appropriate menu panel and adjusting the settings from the menus. Keyboard LED Sections The bottom right section allows you to select partial areas, or all, of the keyboard on which to apply the color changes and effects. Page 328 Video Driver Controls You may make changes to any of the graphics properties by clicking the appropriate menu panel and adjusting the settings from the menus. Keyboard LED Sections The bottom right sections The bottom right section allows you to select partial areas, or all, of the keyboard backlight. Click Changes backlight. Click Changes atterned the driver you wish to install, (you should note down the drivers supported. Eleo Sections The bottom surrounding the swatch allows you to alter the effects of the keyboard backlight. Click Change settings for the FlexiCharger. Alge 528 Outcharges the page 53 Quick Start Guide Modes The boutcons The page 548

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