Accessing other manuals

The *Important Product Information Guide* has been preloaded onto your computer. To access this guide, do the following:

For models come with Lenovo Companion:
1. Open the Start menu and then click or tap **Lenovo Companion**.
2. Click or tap **Support → User Guide**.

For models without Lenovo Companion:
Open the Start menu and then click or tap **Manual** to access this guide.

For models without preinstalled operating systems:
Go to the Lenovo Support Web site to access your manuals. See "Downloading manuals" for additional information.

Downloading manuals
The latest electronic publications for your computer are available from the Lenovo Support Web site. To download the publications,
go to: www.lenovo.com/UserManuals.

Service and Support information

The following information describes the technical support that is available for your product, during the warranty period or throughout the life of your product. Refer to the Lenovo Limited Warranty for a full explanation of Lenovo warranty terms. See "Lenovo Limited Warranty notice" later in this document for details on accessing the full warranty. If you purchased Lenovo services, refer to the following terms and conditions for detailed information:
– For Lenovo Warranty Service Upgrades or Extensions,
  go to: http://support.lenovo.com/lwsu
– For Lenovo Accidental Damage Protection Services,
  go to: http://support.lenovo.com/ladps
– Online technical support is available during the lifetime of a product at:
  http://www.lenovo.com/support

Replacing or upgrading hardware

Safety information for replacing CRUs
Do not open your computer or attempt any repairs before reading the "Important safety information" in the *Safety, Warranty, Environment, Recycling Information Guide and Important Product Information Guide* that was included with your computer.
If you no longer have this copy of the *Safety, Warranty, Environment, Recycling Information Guide* and *Important Product Information Guide*, you can obtain one online from the website at http://www.lenovo.com/UserManuals.

Pre-disassembly instructions
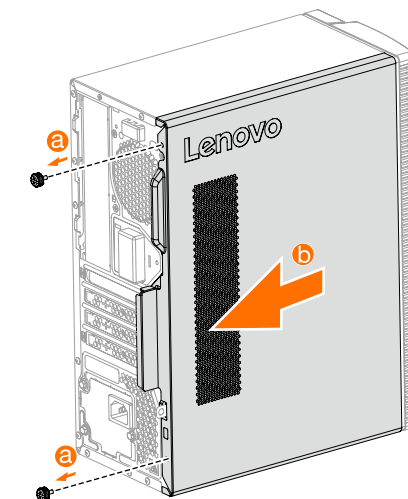Before proceeding with the disassembly procedure, make sure that you do the following:
1. Turn off the power to the system and all peripherals.
2. Unplug all power and signal cables from the computer.
3. Place the system on a flat, stable surface.

The CRUs for your computer including: keyboard, mouse, hard disk drive, optical drive, card reader module, PCI express adapter, and memory module. This part contains instructions for replacing the following parts:
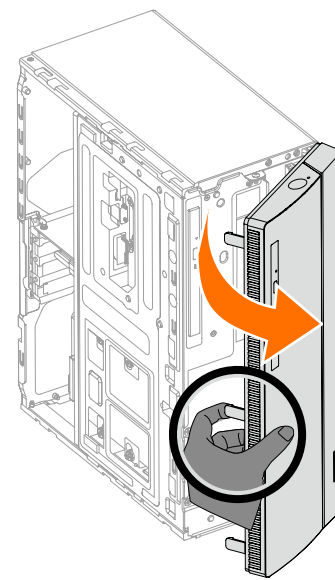• Card reader module (Follow steps: ❶ ❷ ❸)
• Optical drive (Follow steps: ❶ ❷ ❹)
• Hard disk drive (Follow steps: ❶ ❷ ❺)
• PCI express adapter (Follow steps: ❶ ❷ ❻)
• Memory module (Follow steps: ❶ ❷ ❼)

Replacing or upgrading hardware

❶ Removing the computer cover

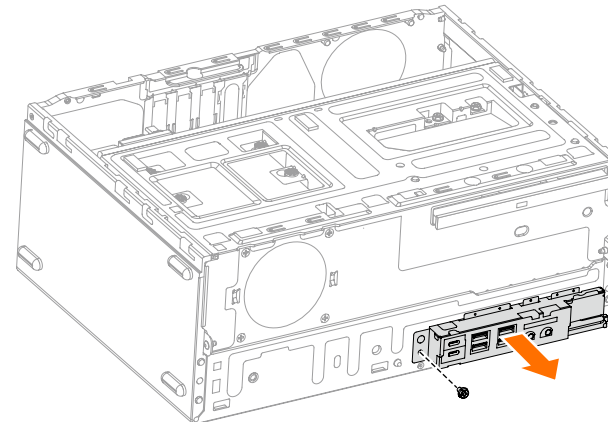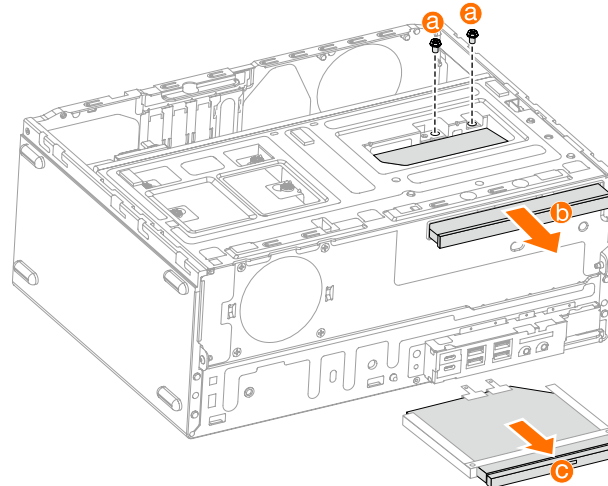**❷ Removing the front bezel**

Replacing or upgrading hardware
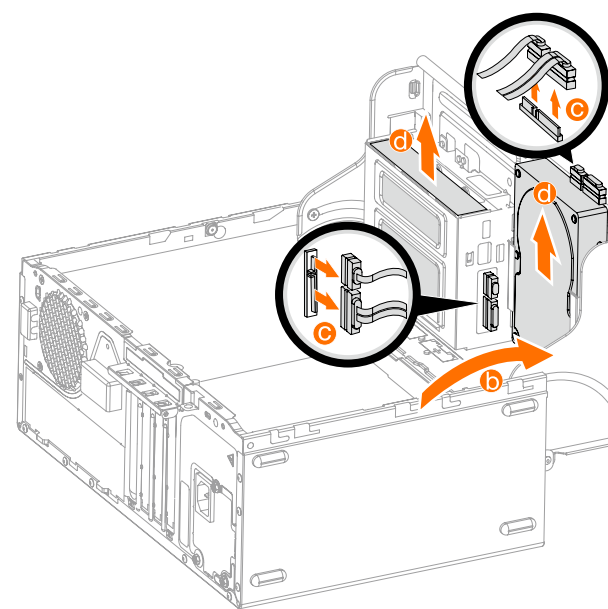
❸ Replacing the card reader module
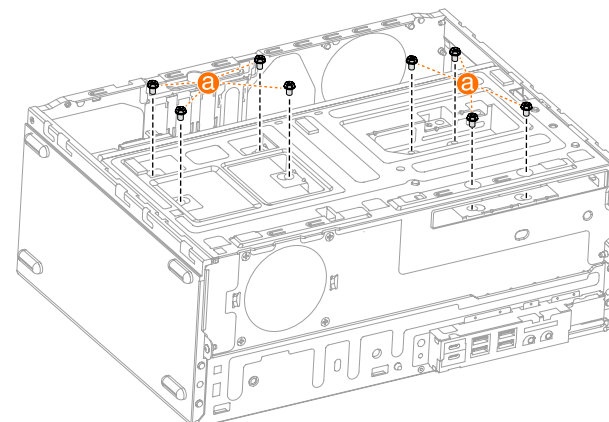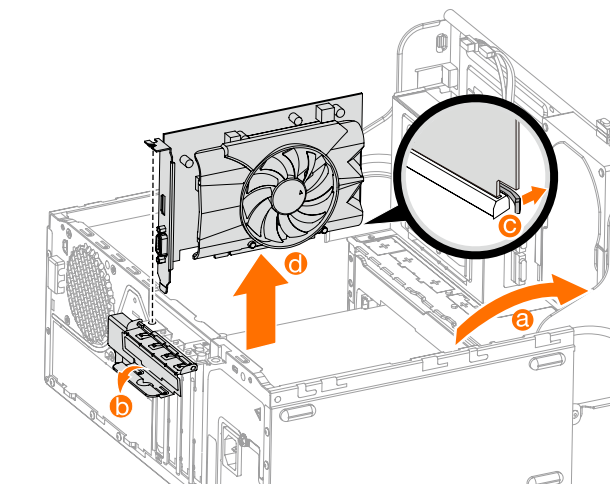

❹ Replacing the optical drive

Replacing or upgrading hardware
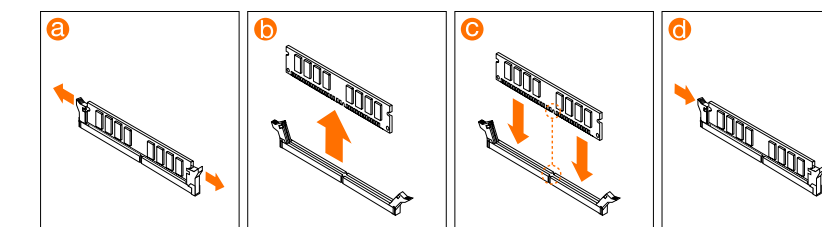
❺ Replacing a hard disk drive
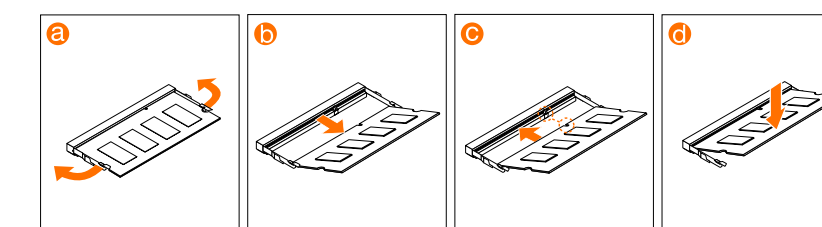

Replacing or upgrading hardware

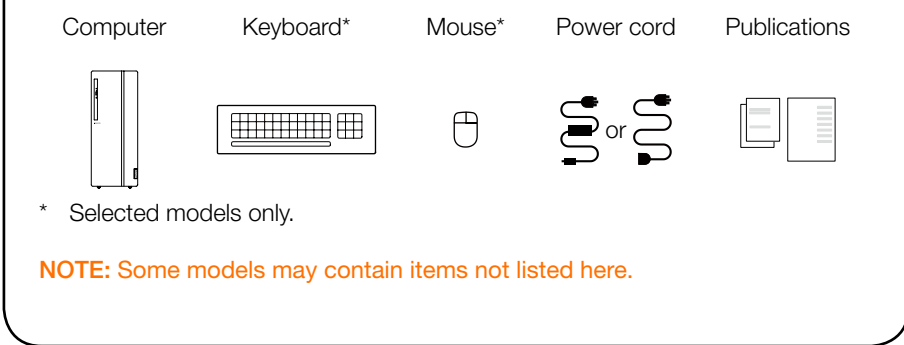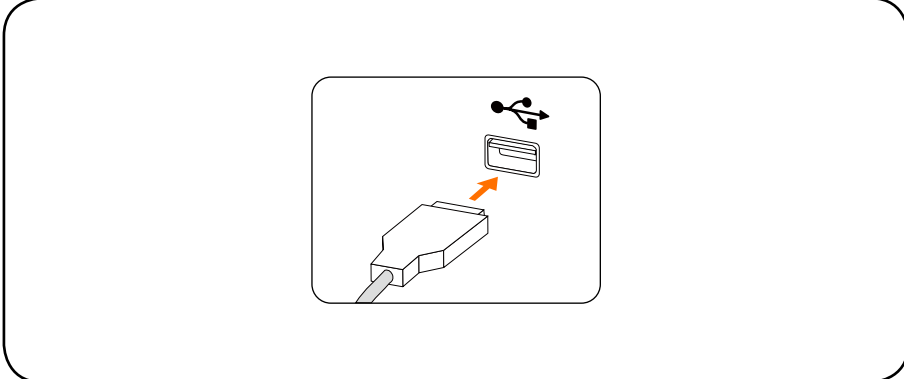**❻ Replacing a PCI express adapter**

❼ Replacing a memory module

or

ideacentre
310A/510A Series
Quick Start Guide

Lenovo

1 Unpacking

Computer   Keyboard*   Mouse*   Power cord   Publications

*   Selected models only.
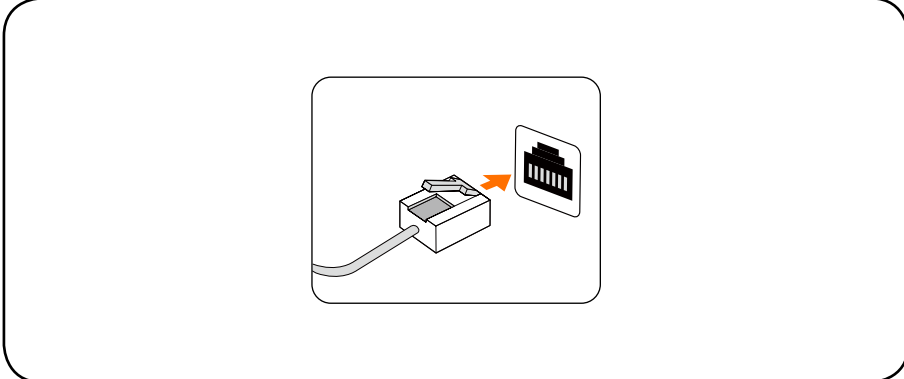
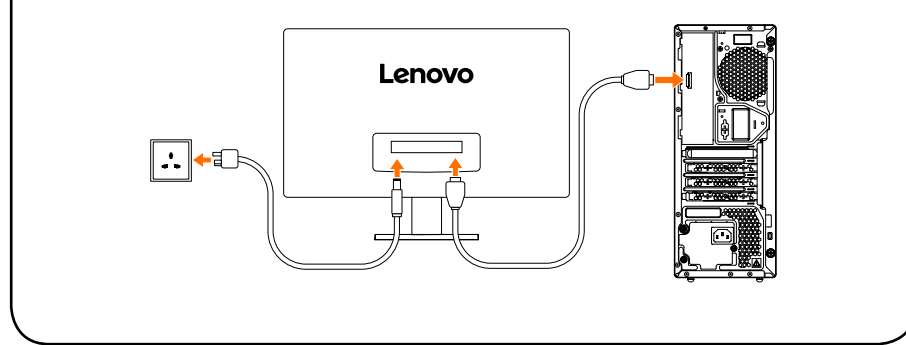NOTE: Some models may contain items not listed here.

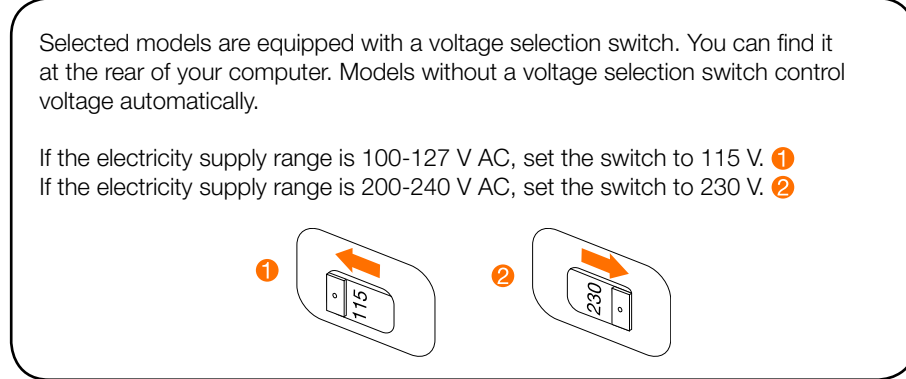## 2 Connecting the keyboard and mouse

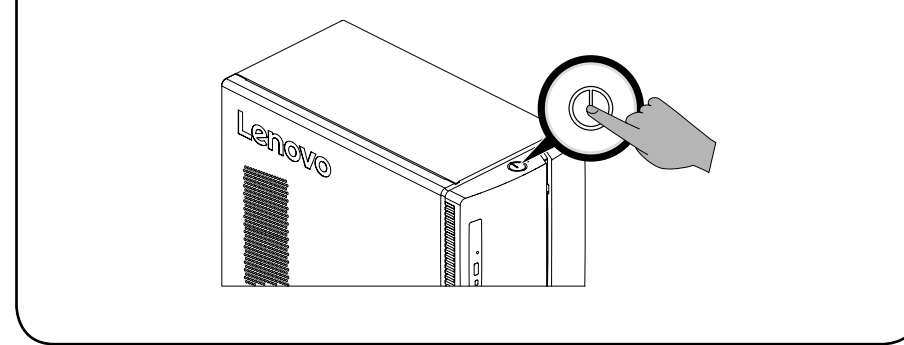## 3 Connecting the Ethernet cable

4 Connecting the monitor

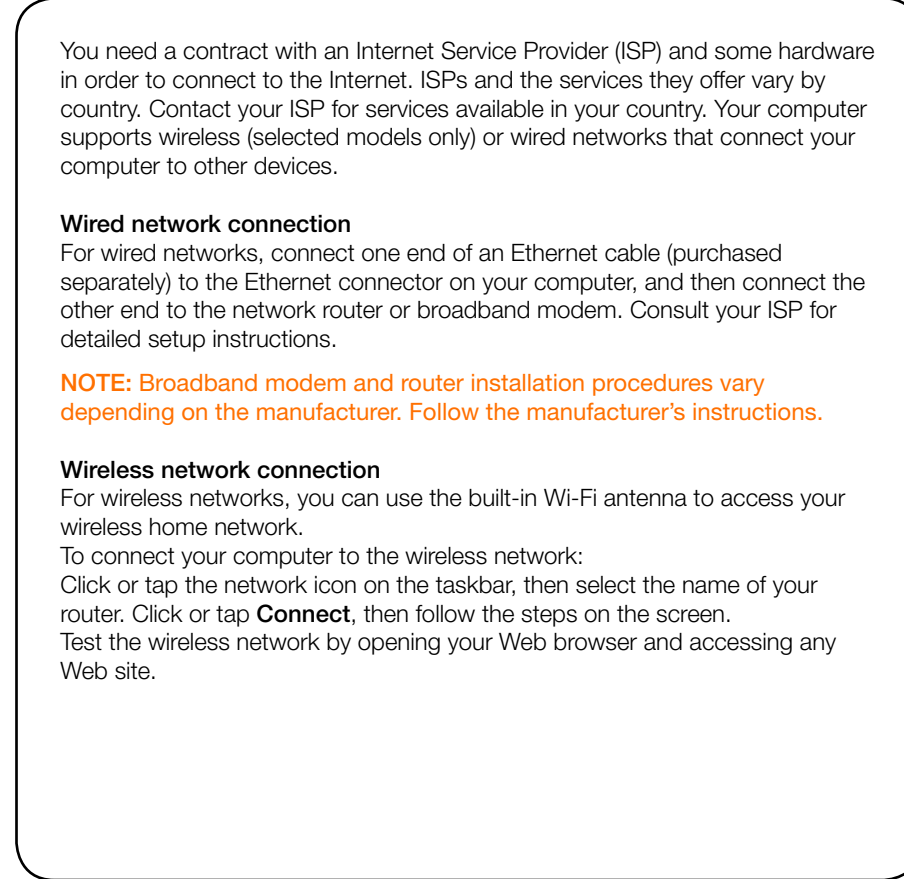Lenovo

5 Choosing the right voltage

Selected models are equipped with a voltage selection switch. You can find it at the rear of your computer. Models without a voltage selection switch control voltage automatically.

If the electricity supply range is 100-127 V AC, set the switch to 115 V. ❶
If the electricity supply range is 200-240 V AC, set the switch to 230 V. ❷

6 Connecting the power cable

or

7 Turning on the computer

Lenovo

Connecting to the Internet

You need a contract with an Internet Service Provider (ISP) and some hardware in order to connect to the Internet. ISPs and the services they offer vary by country. Contact your ISP for services available in your country. Your computer supports wireless (selected models only) or wired networks that connect your computer to other devices.

Wired network connection
For wired networks, connect one end of an Ethernet cable (purchased separately) to the Ethernet connector on your computer, and then connect the other end to the network router or broadband modem. Consult your ISP for detailed setup instructions.

NOTE: Broadband modem and router installation procedures vary depending on the manufacturer. Follow the manufacturer's instructions.

Wireless network connection
For wireless networks, you can use the built-in Wi-Fi antenna to access your wireless home network.
To connect your computer to the wireless network:
Click or tap the network icon on the taskbar, then select the name of your router. Click or tap **Connect**, then follow the steps on the screen.
Test the wireless network by opening your Web browser and accessing any Web site.

Front/Top view of the computer

310A-15IAP/310A-15ASR/510A-15ABR

510A-15IKL

Memorote

❶ Power button
❷ Hard disk drive indicator
❸ Optical drive eject button
❹ Optical Drive
❺ Memory card reader

❻ Microphone connector
❼ Headphone connector
❽ USB 3.0 connectors (2)
❾ USB 2.0 connectors (2)
❿ USB 3.0 connectors (2)

ATTENTION: Be sure not to block any air vents on the computer. Blocked air vents may cause thermal problems.

Rear view of the computer

310A-15IAP

310A-15ASR

❶ Audio connectors
❷ HDMI-out connector
❸ VGA-out connector
❹ USB 2.0 connectors (2)

❺ Ethernet connector
❻ Power connector
❼ Wi-Fi antenna [1]
❽ Expansion card slots [2]

[1]   Selected models only.
[2]   Some models are equipped with USB 3.0 or TV tuner card.

NOTE: If your model has two VGA monitor connectors, be sure to use the connector on the graphics adapter.
ATTENTION: Do not open the Wi-Fi antenna cover.

Rear view of the computer

510A-15IKL

510A-15ABR

❶ Audio connectors
❷ VGA-out connector
❸ HDMI-out connector
❹ USB 3.0 connectors (2)
❺ USB 2.0 connectors (2)

❻ Ethernet connector
❼ Wi-Fi antenna [1]
❽ Expansion card slots [2]
❾ Power connector
❿ Serial connector

[1]   Selected models only.
[2]   Some models are equipped with USB 3.0 or TV tuner card.

NOTE: If your model has two VGA monitor connectors, be sure to use the connector on the graphics adapter.
ATTENTION: Do not open the Wi-Fi antenna cover.

Windows help system

The Windows help system provides you with detailed information about using the Windows operating system.
To access the Windows help system, do the following:
Open the Start menu and then click or tap **Get Started** to get more details.
You can also enter **Get Started** or what you're looking for in the search box on the taskbar. You'll get suggestions and answers to your questions about Windows and the best search results available from your PC and the Internet.

To perform system recovery after a serious error in Windows 10, click or tap the Start button and select **Settings → Update & security → Recovery**. Then, follow the instructions on the screen for system recovery.

ATTENTION: The Windows operating system is provided by Microsoft Corporation. Please use it in accordance with the END USER LICENSE AGREEMENT (EULA) between you and Microsoft. For any question related to the operating system, please contact Microsoft directly.

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