English

EeeTop PC

User Manual

ET16 Series

English

E5199

Second Edition V2
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English

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Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

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. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

IC Radiation Exposure Statement for Canada

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with IC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting. End users must follow the specific operating instructions for satisfying RF exposure compliance.

Operation is subject to the following two conditions:

- This device may not cause interference and
- This device must accept any interference, including interference that may cause undesired operation of the device.

Declaration of Conformity (R&TTE directive 1999/5/EC)

The following items were completed and are considered relevant and sufficient:

- Essential requirements as in [Article 3]
- Protection requirements for health and safety as in [Article 3.1a]
- Testing for electric safety according to [EN 60950]
- Protection requirements for electromagnetic compatibility in [Article 3.1b]
- Testing for electromagnetic compatibility in [EN 301 489-1] & [EN 301]
- Testing according to [489-17]
- Effective use of the radio spectrum as in [Article 3.2]
- Radio test suites according to [EN 300 328-2]

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

Wireless Operation Channel for Different Domains

N. America	2.412-2.462 GHz	Ch01 through CH11
Japan	2.412-2.484 GHz	Ch01 through Ch14
Europe ETSI	2.412-2.472 GHz	Ch01 through Ch13

NO DISASSEMBLY

The warranty does not apply to the products that have been disassembled by users

Lithium-Ion Battery Warning

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

This symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment, and mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

Notes for this manual

To ensure that you perform certain tasks properly, take note of the following symbols used throughout this manual.

WARNING: Vital information that you MUST follow to prevent injury to yourself.

IMPORTANT: Instructions that you MUST follow to complete a task.

TIP: Tips and useful information that help you complete a task.

NOTE: Additional information for special situations.

All illustrations and screenshots in this manual are for reference only. Actual product specifications and software screen images may vary with territories. Visit the ASUS website www.asus.com for the latest information.

Safety information

Your EeeTop PC ET16 Series is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

Setting up your system

- Read and follow all instructions in the documentation before you operate your system.
- Do not use this product near water or a heated source such as a radiator.
- Set up the system on a stable surface.
- Openings on the chassis are for ventilation. Do not block or cover these openings. Ensure that you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- Use this product in environments with ambient temperatures between 0˚C and 40˚C.
- If you use an extension cord, ensure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.

Care during use

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill water or any other liquids on your system.
- When the system is turned off, a small amount of electrical current still flows. Always unplug all power, modem, and network cables from the power outlets before cleaning the system.
- The touch screen requires periodic cleaning to achieve the best touch sensitivity. Keep the screen clean from foreign objects or excessive dust accumulation. To clean the screen:
    - Turn off the system and disconnect the power cord from the wall.
    - Spray a small amount of a household glass cleaner onto the supplied cleaning cloth and gently wipe the screen surface.
    - Do not spray the cleaner directly on the screen.
    - Do not use an abrasive cleaner or a coarse cloth when cleaning the screen.
- If you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer.
    - The power cord or plug is damaged.
    - Liquid has been spilled into the system.
    - The system does not function properly even if you follow the operating instructions.
    - The system was dropped or the cabinet is damaged.
    - The system performance changes.

Welcome

Congratulations on your purchase of EeeTop PC ET16 Series. The following illustration displays the package contents of your new product. If any of the following items is damaged or missing, contact your retailer.

Package contents

EeeTop PC ET16 Series	**Keyboard (wired or wireless)**	**Mouse (wired or wireless)**
AC adapter	**Power cord**	**Wall mount pad (optional)**
System Recovery DVD	**Quick guide**	**Warranty card**

Note:

1. **The number and content of the discs may vary with territories.**
2. **The keyboard, mouse, and power supply illustrations are for reference only. Actual product specifications may vary with territories.**

English

Getting to know your EeeTop PC

Front view

Refer to the following diagram to identify the components on this side of the system.

1 Webcam

The built-in webcam with the microphone allows you to start video chats online.

2 Webcam LED

Indicates that the built-in webcam is enabled.

3 LCD display (Touch-enabled)

The 15.6-inch LCD display, with an optimal resolution of 1366 x 768, features touch function that brings digital life to your fingertips.

4 ⏻ Power switch

The power switch allows you to switch the system ON/OFF.

5 ⊠ LCD display switch

The LCD display switch allows you to switch the display ON/OFF.

6 **Stereo speakers**

The built-in stereo speakers deliver high-quality audio output.

7 **Hard disk drive LED**

Indicates hard disk drive activity.

8 **Wireless LAN LED**

Indicates that the internal wireless LAN is enabled. (Windows® software settings are necessary to use the wireless LAN.)

9 **Brightness controls**

The brightness controls adjust the screen brightness level.

10 **Volume controls**

The volume controls adjust the sound level.

11 **Microphone**

The built-in microphone with the webcam allows you to start video chats online.

Use the following methods to enable the built-in webcam and microphone.

- Go to **Control Panel** > **Scanners and Cameras** > **USB Video Device #2** and follow the onscreen instructions.
- Launch the **CyberLink YouCam** application from the desktop. Refer to the Software Manual for details.
- Start video chats with **Windows® Live Messenger** or **Skype™**.

To optimize the microphone performance through Realtek HD Audio Manager:

1. Double-click the Realtek audio tray icon to open **Realtek HD Audio Manager**.
2. Click the **Microphone** tab and select **Realtek HD Audio Input** as the activated device.
3. Select your preferred options. When done, click **OK**.

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Rear view

Refer to the following diagram to identify the components on this side of the system.

1 Handle

Allows you to carry the system by its handle.

2 Cable routing clip

When connecting devices, route the cables through the cable routing clip to avoid cable spaghetti.

3 LAN port

The eight-pin RJ-45 LAN port supports a standard Ethernet cable for connection to a local network.

4 **USB port**

The Universal Serial Bus (USB) port is compatible with USB devices such as keyboards, mouse devices, cameras, and hard disk drives.

5 **Power input (DC 19V)**

The supplied power adapter converts AC power to DC power for use with this jack. Power supplied through this jack supplies power to the PC. To prevent damage to the PC, always use the supplied power adapter.

The power adapter may become warm or hot when in use. Do not cover the adapter and keep it away from your body.

6 **Microphone jack**

The microphone jack is designed to connect a microphone used for video conferencing, voice narrations, or simple audio recordings.

7 **Audio In jack**

Plug a 3.5mm mini-jack audio cable into this jack for analog audio transfer.

8 **Headphone/Audio Out jack**

The stereo headphone jack (3.5mm) is used to connect the system's audio out signal to amplified speakers or headphones. Using this jack automatically disables the built-in speakers.

9 **USB port**

The Universal Serial Bus (USB) port is compatible with USB devices such as keyboards, mouse devices, cameras, and hard disk drives. It is recommended that you connect a USB TV tuner (not supplied) or other dongle devices to this port to prevent conflict with the computer stand.

10 **Kensington® Lock port**

The Kensington® lock port allows the computer to be secured using Kensington® compatible security products. These security products usually include a metal cable and lock that prevent the computer to be removed from a fixed object.

English

The EeeTop PC ET1603 model comes with a battery that supports the Uninterruptible Power Supply (UPS) function. Note the following:

- Do not disconnect the AC power after turning off the computer.
- If you need to disconnect the AC power, ensure that your computer is turned off rather than entering the sleep mode.
- When a power failure occurs, the computer enters the sleep mode in five minutes.
- When you move the computer, the battery provides power for five minutes without AC power connected.
- Batteries are consumables. To replace the battery, seek local technical support services or visit the ASUS website www.asus.com.

Side view

Refer to the following diagram to identify the components on this side of the system.

1 Memory card reader

The built-in memory card reader reads MMC/SD/MS/MS Pro cards used in devices like digital cameras, MP3 players, mobile phones, and PDAs.

2 USB port

The Universal Serial Bus (USB) port is compatible with USB devices such as keyboards, mouse devices, cameras, and hard disk drives.

Using the touch screen

EeeTop PC brings digital life to your fingertips. With a few touches or the use of the stylus pen, you can make EeeTop PC work at your command. Your touch functions like a mouse device:

- Touch = left-click on the mouse
- Touch and hold = right-click on the mouse

Cleaning the touch screen

- The touch screen requires periodic cleaning to achieve the best touch sensitivity. Keep the screen clean from foreign objects or excessive dust accumulation. To clean the screen:
  - Turn off the system and disconnect the power cord from the wall.
  - Spray a small amount of a household glass cleaner onto the supplied cleaning cloth and gently wipe the screen surface.
  - Do not spray the cleaner directly on the screen.
  - Do not use an abrasive cleaner or a coarse cloth when cleaning the screen.

English

Using the keyboard

Your EeeTop PC comes with a wired or wireless keyboard that facilitates your control of the system. On the right side of the keyboard is an extra USB port (not available on the wireless models), and on the left is where the stylus pen is stored. Press the stylus pen and it will eject.

The following keyboard illustrations are for reference only. Actual product specifications may vary with territories.

Function keys

The following table defines the colored function keys on the keyboard. To access the colored commands, hold the **Function key** while pressing a key with a colored command.

Fn + F1	**Fn + F1:** Places the system in suspend mode.
Fn + F2	**Fn + F2:** Toggles the internal wireless LAN ON or OFF. When enabled, the corresponding wireless LAN LED lights up. Windows® software settings are necessary to use the wireless LAN.
Fn + F4	**Fn + F4:** Toggles the front LED light ON and OFF.
Fn + F5	**Fn + F5:** Decreases the display brightness.
Fn + F6	**Fn + F6:** Increases the display brightness.
Fn + F7	**Fn + F7:** Toggles the LCD display ON and OFF.
Fn + F10	**Fn + F10:** Toggles the speakers ON and OFF (only in Windows® OS).
Fn + F11	**Fn + F11:** Decreases the speaker volume (only in Windows® OS).
Fn + F12	**Fn + F12:** Increases the speaker volume (only in Windows® OS).
Fn +	**Fn + Space (Super Hybrid Engine key):** Switches among different power saving modes. The selected mode is shown on the display.
Fn + V	**Fn + V:** Toggles the built-in webcam ON and OFF.

Positioning your EeeTop PC

Placing on the desktop

Place your EeeTop PC on a flat surface such as a table or desk, and **pull the stand open until it** snaps in place. Then, tilt the display panel to an angle of between 10 and 35 degrees from an upright position.

Mounting to the wall

To mount your EeeTop PC to the wall, purchase the optional wall mount pad (160mm x 92mm) and a wall mount kit (VESA 75). Install the wall mount pad according to the following instructions.

1. Remove the four screws on the stand to release the stand. Keep the screws for future use in case you want to reinstall the stand.

2. Take out the four rubber items in the panel holes, and then remove the four screws from the panel. Keep the screws for later use.

3. Secure the wall mount pad to the rear panel with the four screws (M3 x 8L) you removed in the previous step noting the correct orientation.

4. Install your wall mount kit (VESA75) to the wall mount pad using four screws (M4 x 10L) that came with the wall mount kit package.

The wall mount kit in this illustration is for reference only.

5. Fasten the wall mount kit to the wall following the instructions described in the installation manual that came with your wall mount kit package.

For ventilation's sake, ensure that you leave a distance of 6cm at least between the system and the wall.

English

Setting up your EeeTop PC

Connecting the wired keyboard and mouse

Connect the keyboard to the **USB** port on the rear panel (1). To avoid a tangled cable, you may route the cable through the cable routing clip. Then, connect the mouse to the keyboard **USB** port (2).

Connecting the wireless keyboard and mouse

Connect the supplied USB receiver to the **USB** port on the rear panel (1) and begin using the wireless keyboard and mouse (2).

The illustrations above are for reference only. Actual appearances and specifications (wired or wireless) of the keyboard and mouse may vary with territories.

Powering on the system

Connect the supplied AC adapter to the **DC IN** jack on the rear panel (1 2 3) and then press the **Power switch** on the front panel (4) to turn on the system.

Powering off

- To power off the LCD display, press the **LCD display switch** on the front panel or the **Fn + F7 key** Fn F7 on the keyboard. The system is still running.
- To put the system into suspend mode, press the **Power switch** on the front panel. To bring the system back to the OS, press the **Power switch** again, click the mouse, touch the display, or press any key on the keyboard.
- To shut down the system completely, follow the normal Windows shutdown process or press and hold the **Power switch** for five seconds.

English

Calibrating the screen

EeeTop PC comes with one of the following two software tools that allow you to adjust touch screen precision. The software tool installed in your EeeTop PC may vary with territories.

Type A

1. From the Windows® desktop, click **Start** > **All Programs** > **Touch Package** > **Touch tool**.

2. Click **General** and then click **9 pts. linearization**.

3. Touch and hold the center of the onscreen mark at each location and the screen will adjust automatically.

4. Touch the onscreen **Save** button to save the results.

Press the **Esc** key on the keyboard to end the calibration process.

Type B

1. From the Windows® desktop, click **Start** > **All Programs** > **CalTouch** > **CalTouch**.

2. Click **4 Points Calibration**.

3. Touch and hold the center of the onscreen mark at each location and the screen will adjust automatically.

4. Click **OK** to save the results.

Press the **Esc** key on the keyboard to end the calibration process.

English

Configuring a wireless connection

1. From the Windows® notification area, right-click the **wireless network** icon and select **View Available Wireless Networks**.

2. Select the wireless network you want to connect to from the list and click **Connect**.

Enter the network security key if necessary.

3. After establishing a successful connection, the connection status is displayed.

Configuring a wired connection

Using a static IP

1. Right-click the network icon on the notification area and select **Open Network Connections**.

2. Right-click **Local Area Connection** and select **Properties**.

3. Select **Internet Protocol (TCP/IP)** and click **Properties**.

4. Select **Use the following IP address**.
5. Enter your **IP address**, **Subnet mask**, and **Default gateway**.
6. If needed, enter the **Preferred DNS server** address.
7. After entering all the related values, click **OK** to finish the configuration.

Using a dynamic IP (PPPoE connection)

1. Repeat steps 1–3 in the previous section.
2 Select **Obtain an IP address automatically** and click **OK**.

3. Click **Create a new connection** to start the New Connection Wizard.

4. Click **Next**.

5. Select **Connect to the Internet** and click **Next**.

6. Select **Set up my connection manually**.

7. Select your connection type and click **Next**.

8. Enter your ISP Name and click **Next**.

9. Enter your User name and Password. Click **Next**.

10. Click **Finish** to finish the configuration.

11. Enter your user name and password. Click **Connect** to connect to the Internet.

Contact your Internet Service Provider (ISP) if you have problems connecting to the network.

Configuring the audio output

EeeTop PC supports different types of audio configurations. Set up the system using stereo speakers or a multi-channel audio speaker system.

Speaker configurations

Set up the system with the following speaker configurations:

Name	Speaker system
2-channel (stereo)	Left speaker and right speaker.
5.1-channel	Two front speakers, two rear (surround) speakers, a center speaker, and a subwoofer.

Audio jack	Headphones/2-channel	5.1-channel
Light Blue	Audio In	SURROUND
Lime	Audio Out	FRONT
Pink	Mic In	CENTER/BASS

A stereo speaker set is a left-right, two channel speaker system. A multi-channel audio speaker has a left-right front and left-right rear (surround) channel, and it may include a subwoofer and a center speaker. A subwoofer provides enhanced bass sounds. ".1" indicates a subwoofer. For instance, 5.1-channel refers to a six-speaker mode and uses two front speakers (left-right), two rear (surround) speakers (left-right), a center speaker, and a subwoofer.

Connecting to speakers

Refer to the table below for the audio jacks on the rear panel and their functions.

For stereo speakers or headphones

Audio jack	Description
FRONT	Connects to stereo speakers or headphones.

For a 5.1-channel speaker system

Audio jack	Description
FRONT	**FRONT** connects to the FRONT jack on your subwoofer.
SURROUND	**SURROUND** connects to the REAR jack on your subwoofer.
CENT/BASS	**CENTER/BASS** connects to the SUB/CENTER jack on your subwoofer.

English

Configuring audio output settings

After connecting a speaker system to your EeeTop PC, follow the steps below to configure the speaker settings:

1. Right-click the volume icon on the Windows® notification area and click **Adjust Audio Properties**.

2. Click the **Volume** tab and then click **Advanced** to configure the speaker settings.

3. Click the **Speakers** tab. From the drop-down menu, select the speaker configuration you are using and click **OK**.

SRS Premium Sound

SRS audio technologies process audio input based on audio content and output device to enhance your entertainment experience. With simple selections, you can enjoy high quality audio whether you are listening to music, watching movies, or playing games.

Launching SRS Premium Sound

To launch the program, click **Start** > **All Programs** > **SRS Labs** > **SRS Premium Sound** > **SRS Premium Sound**.

The SRS Premium Sound control panel appears, so does its tray icon. Closing the control panel does not terminate the program. You can restore the control panel by double-clicking its tray icon.

Using the control panel

Simply select an audio **CONTENT** that resembles the type of source you are listening to and select your **OUTPUT** device. SRS technologies will enhance audio performance accordingly.

When you disable SRS Premium Sound processing, a red slash over the tray icon indicates that SRS Premium Sound is no longer applied to the audio stream. Right-click the tray icon and select **Enable** to apply SRS processing.

English

Recovering your system

Using the hidden partition

The recovery partition includes an image of the operating system, drivers, and utilities installed on your system at the factory. The recovery partition provides a comprehensive recovery solution that quickly restores your system's software to its original working state, provided that your hard disk drive is in good working order. Before using the recovery partition, copy your data files (such as Outlook PST files) to a USB device or to a network drive and make note of any customized configuration settings (such as network settings).

1. Start the system and press **<F2>** on bootup to show the POST screen. Press **<F2>** again to enter the BIOS setup.
2. Set **Boot Booster** to [Disabled].

If you fail to see the POST screen or enter the BIOS setup by doing the instruction above, restart the system and try pressing <F2> repeatedly on bootup.

3. Press **<F10>** to save the configuration and restart EeeTop PC.

4. When the Eee Top logo appears, press **<F9>** (requires a recovery partition).
5. The **ASUS Recovery CD/DVD** window appears. Select **Recover system to a partition**.
6. Follow the onscreen instructions to complete the recovery process.

You will lose all your data during the system recovery. Make sure that you make a backup of it before recovering the system.

7. After the system recovery is completed, restart the computer.
8. Set up your language, time zone, keyboard, computer name, and user name to enter the Windows® OS.

English

Using the recovery DVD

The recovery DVD includes an image of the operating system installed on your system at the factory. The recovery DVD provides a comprehensive recovery solution that quickly restores your system to its original working state, provided that your hard disk drive is in good working order. Before using the recovery DVD, copy your data files (such as Outlook PST files) to a USB device or to a network drive and make note of any customized configuration settings (such as network settings).

You need to connect a USB optical drive to your computer before inserting the recovery DVD.

1. Start the system and press **<F2>** on bootup to show the POST screen. Press **<F2>** again to enter the BIOS setup.
2. Set **Boot Booster** to [Disabled].

If you fail to see the POST screen or enter the BIOS setup by doing the instruction above, restart the system and try pressing <F2> repeatedly on bootup.

3. Press **<F10>** to save the configuration and restart EeeTop PC.

4. When the EeeTop logo appears, press **<Esc>** to enter the **Please select boot device** menu.
5. Insert the recovery DVD into the optical drive and select the optical drive ("DVDROM: XXX") as the boot device. Press **<Enter>** and then press any key to continue.
6. The **ASUS Recovery CD/DVD** window appears. Select where to install a new system. Options are:

   Recover system to a partition

   This option will delete only the partition you select from below, allowing you to keep other partitions. Select a partition and click **NEXT**.

   Recover system to entire HD

   This option will delete all partitions from your hard disk drive and restore the operating system. Select and click **Yes**.

If you select **Recover system to entire HD**, the entire hard disk drive will have only one partition and the F9 recovery function will no longer exist. Therefore, we highly recommend that you use the F9 recovery to restore the system.

7. Follow the onscreen instructions to complete the recovery process.

You will lose all your data during the system recovery. Ensure that you make a backup of it before recovering the system.

8. After the system recovery is completed, restart the computer.
9. Set up your language, time zone, keyboard, computer name, and user name to enter the Windows® OS.

- This recovery DVD is for EeeTop PC only. DO NOT use it on other computers. Visit the ASUS website at www.asus.com for any updates.
- Remember to enable Boot Booster after you complete hardware change or system recovery.