

印刷要求:

- 1.尺寸: 85\*90mm, 公差:  $\pm 2\text{mm}$ ;
- 2.材质: 80g铜版纸, RoHS, REACH, 无卤;
- 3.工艺: 彩色双面印刷, 骑马钉;
- 4.未注公差尺寸参考左上角公差范围。

**GEEKOM**

# **User Manual**

## **Laptop Computer**

### **M16**

Hereby, Shenzhen Geekom Electronic Technology Co., Ltd declares that this laptop computer is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.





# Views



**NOTE:** For the first-time use or the prolonged non-use, the battery might enter power saving mode to conserve battery power. It is recommended to connect the power adapter and press the power button to start up under these conditions.

## Right

### 1/2. USB 3.2 port

Connect peripherals such as external storage devices and printers.



### 3. Earphone port

Connect headphones or a headset (headphone and microphone combo).



## Left

### 1. LED Indicators

Power-on and charging indicators.

### 2. Type-C(full function)

This interface enables high-speed data transmission and connection to the docking station. The computer can be charged through this interface. You can connect this interface to a display device for video and sound output.

|                 |             |
|-----------------|-------------|
| White           | Power On    |
| Orange          | Charging    |
| Blinking Orange | Low Battery |
| Breathing White | Sleep       |

### 3. HDMI 2.0 port

Connect a TV or another HDMI-in enabled device. Provide video and audio output.

### 4. USB 4

This interface enables high-speed data transmission and connection to the docking station. You can connect this interface to a display device for video and sound output.

## Base

### 1. Power button

Press to turn on the laptop if it is turned off, in sleep state, or in hibernation state.

Press to put the laptop in sleep state if it is turned on.

Press and hold for 10 seconds to force shut-down the computer.

### 2. Left-click area

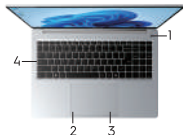
Press to left-click.

### 3. Right-click area

Press to right-click.

### 4. Caps Lock light(on the keyboard)

Click on capslock, light on means uppercase, off means lowercase.



## Display

### 1/5. Microphone

Provide digital sound input for audio recording, voice calls, and so on.

### 2. Camera-status indicator

Turn on when the camera is in use.

### 3. Camera shutter

Open or close the camera lens.

### 4. Light sensor

You can control the brightness of the screen, and the display can change with the external environment.



## Back

### 1. Right speaker

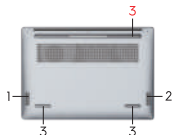
Provide audio output.

### 2. Left speaker

Provide audio output.

### 3. Rubber foot

Prevent scratches and enhance heat dissipation on the bottom of the computer.



# Keyboard Shortcuts



**NOTE:** Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

## List of keyboard shortcuts

| Keys                                                                              | Description                           |
|-----------------------------------------------------------------------------------|---------------------------------------|
|  | Turn the keyboard backlight on or off |
|  | Decrease Brightness                   |
|  | Increase Brightness                   |
|  | Lock/Unlock Touchpad                  |
|  | Play the last song /Fast rewind       |
|  | Play /Pause                           |
|  | Play the next song /Fast forward      |
|  | Mute Audio                            |
|  | Decrease Volume                       |
|  | Increase Volume                       |
|  | Lock the computer                     |
|  | Insert Key                            |
|  | Airplane Mode                         |
|  | Extended Mode                         |

# Troubleshooting

Check the following chart for possible solutions before the service personnel is consulted

| Problem Type                   | Description                                           | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio                          | Sound is not audible.                                 | <ul style="list-style-type: none"> <li>Press F8 Arrow several times.</li> <li>Click the speaker icon on the taskbar to ensure that Mute is not checked.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                | Sound does not record.                                | Check software controls for recording sound: Start, Settings, System, Sound, More sound settings, Recording, Microphone, Levels.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                | No sound from headphones.                             | <ul style="list-style-type: none"> <li>Check the headphone cable connection.</li> <li>Adjust the windows volume control.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Display                        | The notebook is on, but the screen is dark.           | <ul style="list-style-type: none"> <li>Press F5 to increase the contrast or F2 to decrease the contrast.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                | The screen is difficult to read.                      | Check whether the display resolution is set to its default value—2560*1600 for 16" display. Check this in Start, Settings, System, Display, Display resolution.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Heat Problems                  | The notebook gets hot.                                | <ul style="list-style-type: none"> <li>Note that it is normal for the notebook to get warm. DOS games and other programs that drive CPU use toward 100% can contribute to a temperature increase.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Keyboard or Touch Pad Problems | Touchpad is difficult to control.                     | Check the touch pad settings(Start, Settings, Devices, Mouse, Mouse pointer speed).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                | The touch pad doesn't work.                           | <ul style="list-style-type: none"> <li>Press F4 in case the internal Touch Pad was disabled.</li> <li>Don't touch the touch pad while booting or resuming.</li> <li>Reboot the notebook.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Performance Problems           | The notebook pauses or runs sluggishly.               | <ul style="list-style-type: none"> <li>Press CTRL+ALT+DEL choose Task Manager to see if an application is not responding.</li> <li>Reboot the notebook.</li> <li>Delete temporary and unneeded files.</li> <li>Certain background operations (such as VirusScan) can affect performance while they're running.</li> <li>Some file browsers may be unresponsive while they're processing a graphic image or waiting for broken network connections to time out.</li> <li>Install additional memory if Windows is spending a lot of time swapping to disk.</li> <li>Check amount of available free disk space.</li> </ul> |
| Power and Battery Problems     | The notebook turns off immediately after it turns on. | Battery power is probably extremely low. Plug in the AC adapter.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                | The battery doesn't charge.                           | <ul style="list-style-type: none"> <li>Make sure the AC adapter is plugged into the power source and the charge light is on.</li> <li>If you're using a power strip, remove the AC adapter from the power strip and plug it directly into a wall outlet.</li> <li>Turn off the notebook, then check that the AC adapter cables are fully plugged in.</li> <li>Move the notebook away from any nearby heat source. Unplug the AC adapter and allow the battery to cool down. An elevated battery temperature prevents charging.</li> <li>If available, try another AC adapter.</li> </ul>                                |
|                                | The notebook stops responding.                        | <ul style="list-style-type: none"> <li>Press CTRL+ALT+DEL to choose Task Manager and close the application that is not responding.</li> <li>Press power button for at least 10 seconds to turn off the notebook. Then press the button again to turn the notebook back on.</li> </ul>                                                                                                                                                                                                                                                                                                                                   |
| Startup Problems               | The laptop doesn't respond at turn-on.                | <ul style="list-style-type: none"> <li>Connect the AC adapter.</li> <li>Press the power button to turn on the unit.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                | The notebook doesn't boot from battery power.         | <ul style="list-style-type: none"> <li>Connect the AC adapter.</li> <li>Press the power button to turn on the unit.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

# EU Declaration of Conformity

## Safety Instructions

Please read the following safety instructions before using your laptop.

1. Disconnect the AC power and remove the battery pack before cleaning. Wipe the laptop with a clean cellulose sponge or chamois cloth dampened with a solution of nonabrasive detergent and a few drops of a warm water and remove any extra moisture with a dry cloth.
2. Protect against the heat generated by your laptop or the AC adapter. Do not block the vent of your laptop where heat is dissipated from.
3. Prevent your laptop from getting wet and keep liquids away from your laptop. Caution the danger of electric shock if spills or drops are displayed on/in the laptop unit or AC adapter.
4. Handle your laptop gently. Do not drop, bump, scratch, twist, hit, vibrate, push, or place heavy objects on your laptop, display, or external devices.
5. Do not press or touch the display panel. Pay attention to small item with sharp or solid surface that might cause scratches.
6. Avoid stamping on or placing heavy objects on the cables. Do not use damaged power cords, accessories, or other peripherals.
7. Use your laptop in environments with ambient temperatures. Do not use the product under any extreme weather or in strong magnetic/electrical fields. Do not place your laptop near heat sources such as radiator, air ducts, direct sunlight.
8. Knock down of AC adapter is forbidden. Risk of high voltage and electric shock. Refer servicing to qualified service personnel if needed.



Do not throw the laptop unit or AC adapter in municipal waste. This product has been designed to enable proper reuse of parts and recycling. This symbol indicates that the product should not be placed in municipal waste. Check local regulations for disposal of electronic products.

**Adapter: HKC10020050-0K2/HKC10020050-0K4**

**Input: 100-240V~50/60Hz, 2.5A**

**Output: 20.0V==5.0A 100.0W**

### **Frequency Range&Maximum Transmit Power:**

BT: 2400-2483.5MHz Maximum Power: 2.36dBm

Wi-Fi 2.4GHz(TX/RX): 2400-2483.5 MHz Maximum Power: 14.08dBm

Wi-Fi 5G:

Band 1: 5150-5250 MHz(TX/RX) Maximum Power: 15.27dBm

Band 2: 5250-5350 MHz(TX/RX) Maximum Power: 14.70dBm

Band 3: 5470-5725 MHz(TX/RX) Maximum Power: 14.60dBm

Wi-Fi 5.8G : 5725-5875MHz(TX/RX) Maximum Power: 12.02dBm

# SAR Warning Notice

## RF exposure information

For the countries that adopt the SAR limit of 2.0 W/kg(Body) and 4.0 W/kg(Limbs) over 10 grams of tissue. Device has also been tested against this SAR limit.

# WiFi Warning Notice

This device may be restricted for use, depending on the local network.

The 5150 to 5350 MHz frequency ranges are restricted to indoor use in: AT, BE, BG, CH, CY,CZ, DE, DK, EE, EL, ES, FI, FR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, UK(NI). In accordance with the relevant statutory requirements in the UK, the 5150 to 5350 MHz and 5945 to 6425 MHz frequency ranges are restricted to indoor use in the United Kingdom.

The WLAN function for this device is restricted to indoor use due to its operation in the 5.15 to 5.35 GHz frequency range.



**The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.**

# Warranty Card

## TERMS AND CONDITIONS

GEEKOM laptop product is warranted against defects in materials or workmanship for a period (depending on the product, as described on warranty card). The limited warranty begins on the original date of purchase. Warranty repair must be carried out by a designated agent after sale, GEEKOM's authorized service center. To receive warranty service, the original proof of purchase must be presented to GEEKOM or GEEKOM's authorized service center. For carrying-in service, transportation to and from the service center is the responsibility of the purchaser. The appointed agent will carry out after-sales maintenance for this product, at GEEKOM's option and at no charge for the parts and services, if this product is defective during the limited warranty period.

During the warranty period from the date of original retail by the customer or the product activated (If the last day of the warranty validity period is a legal holiday, the next day of the holiday shall prevail), GEEKOM will provide customers with free maintenance under the circumstance of non-human damage to the host of the product.

## EXCLUSIONS

(This warranty does not cover the following items)

- 1.Products with original serial numbers removed, altered or not readily determined.
- 2.Damage caused by transportation and handling, including scratches, dents , chips, and/or any damages to the exterior of your product.
- 3.Damage or failure caused by incorrect electrical current or voltage, fluctuations or surges.
- 4.Applications and use which this product was not intended to.
- 5.Damage or failure caused by products or equipment not supplied by GEEKOM.
- 6.Accident , misuse, abuse, neglect, misapplication, fire, water, lightning or other acts of nature.
- 7.Damage or failure caused by improper or faulty installation, product alteration or modification.
- 8.Damage or failure caused by: Non-GEEKOM or unauthorized parts, supplies, accessories or equipment; services performed by unauthorized service companies.
- 9.Damage or failure caused by liquid or water exposure.

# FCC Warning

## FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

- (1) This device may not cause harmful interference,
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: 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 the 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 into 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.

## Specific Absorption Rate (SAR) information:

SAR tests are conducted using standard operating positions accepted by the FCC with the eut transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the eut while operating can be well below the maximum value, in general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model device is a available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC, Tests for each device are performed in positions and locations (e.g. at the ear and worn on the body)as required by the FCC.

For body worn operation, this model device has been tested and meets the FCC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that Contains no metal.

Non-compliance with the above restrictions may result in violation of RF exposure guidelines.

# FCC RF Exposure Warning Statement

This equipment has been tested for SAR compliance. This equipment should be installed and operated with minimum distance 0 mm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.

For USA: The frequency stability of all transmission frequencies of U-NII-1, U-NII 2A, U-NII 2C and U-NII-3 meets the requirements of 47 CFR FCC Part15.407(g), and the manufacturer declares that their transmission is maintained at Band U-NII-1, U-NII 2A, U-NII 2C and U-NII-3.



# ENERGY STAR® Program Requirements for Computers

## Partner Commitments

Following are the terms of the ENERGY STAR Partnership Agreement as it pertains to the manufacture and labeling of ENERGY STAR certified products. The ENERGY STAR Partner must adhere to the following partner commitments:

1. Partner shall adhere to the following product-specific commitments regarding use of the ENERGY STAR certification mark on certified products:
  - 1.1. Partner must use the ENERGY STAR mark in one of the following ways:
    - 1) Via permanent or temporary label. All temporary labeling must be affixed to the product with an adhesive or cling-type application:
      - a. The label shall be on the top or front of the product if the top or front of the product has a contiguous, coplanar surface area not used for touch input or display that is greater than or equal to 0.625 in square;
      - b. Otherwise, the label shall be on the reverse side of the screen; or
    - 2) Via electronic labeling displayed on the screen such that the ENERGY STAR mark must be at least 4% of the screen by area; must be greater than or equal to 76 pixels x 78 pixels; must be legible; must be in cyan, black, or white; and either
      - a. Must appear at system start-up, and must display for a minimum of 5 seconds; or
      - b. Must appear within the system power settings dialog window. EPA will consider alternative proposals for electronic labeling on a case-by-case basis.

1. the power delivered by the charger must be between min 60 Watts required by the radio equipment, and max 100 Watts in order to achieve the maximum charging speed
2. USB PD fast charging

