

## Taiwan RoHS

| 單元 Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 限用物質及其化學符號<br>Restricted substances and its chemical symbols |               |               |                                             |                                     |                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------|---------------|---------------------------------------------|-------------------------------------|---------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 鉛Lead (Pb)                                                   | 汞Mercury (Hg) | 鎘Cadmium (Cd) | 六價鉻 Hexavalent chromium (Cr <sup>+6</sup> ) | 多溴聯苯 Polybrominated biphenyls (PBB) | 多溴二苯醚 Polybrominated diphenyl ethers (PBDE) |
| 印刷電路板組件                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | —                                                            | ○             | ○             | ○                                           | ○                                   | ○                                           |
| 硬碟機                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | —                                                            | ○             | ○             | ○                                           | ○                                   | ○                                           |
| 光碟機                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | —                                                            | ○             | ○             | ○                                           | ○                                   | ○                                           |
| LCD面板 (LED背光源)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | —                                                            | ○             | ○             | ○                                           | ○                                   | ○                                           |
| 鍵盤                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | —                                                            | ○             | ○             | ○                                           | ○                                   | ○                                           |
| 記憶體                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | —                                                            | ○             | ○             | ○                                           | ○                                   | ○                                           |
| 電源供應器                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | —                                                            | ○             | ○             | ○                                           | ○                                   | ○                                           |
| 底殼、頂蓋和喇叭                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | —                                                            | ○             | ○             | ○                                           | ○                                   | ○                                           |
| 備考1. “超出0.1 wt %”及“超出0.01 wt %”係指限用物質之百分比含量超出百分比含量基準值。<br>Note 1: “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.<br>備考2. “○”係指該項限用物質之百分比含量未超出百分比含量基準值。<br>Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.<br>備考3. “—”係指該項限用物質為排除項目。<br>Note 3: The “—” indicates that the restricted substance corresponds to the exemption. |                                                              |               |               |                                             |                                     |                                             |



---

## Appendix E. ENERGY STAR model information



ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy aimed at saving money and protecting the environment through energy efficient products and practices.

Lenovo is proud to offer our customers products with the ENERGY STAR qualified designation. You might find an ENERGY STAR mark affixed on the computer or displayed on the power settings interface. Lenovo computers of the following machine types, if carry an ENERGY STAR mark, have been designed and tested to conform to the ENERGY STAR program requirements for computers.

20KG and 20KH

By using ENERGY STAR qualified products and taking advantage of the power-management features of the computer, you can help reduce the consumption of electricity. Reduced electrical consumption can contribute to potential financial savings, a cleaner environment, and the reduction of greenhouse gas emissions.

For more information about ENERGY STAR, go to:

<https://www.energystar.gov>

Lenovo encourages you to make efficient use of energy an integral part of your day-to-day operations. To help in this endeavor, Lenovo has preset the following power-management features to take effect when the computer has been inactive for a specified length of time:

**Power plan:** Default (when plugged into ac power)

- Turn off the display: After 10 minutes
- Put the computer to sleep: After 30 minutes

To awaken the computer from sleep mode, press the Fn key on your keyboard. For more information about these settings, see the Windows help information on the computer.

The Wake on LAN function is enabled when your Lenovo computer is shipped from the factory, and the setting remains valid even when the computer is in sleep mode. If you do not need to have Wake on LAN enabled while the computer is in sleep mode, you can reduce the power consumption and prolong the time in sleep mode, by disabling the setting of Wake on LAN for sleep mode.

To disable the setting of Wake on LAN for sleep mode, do the following:

1. Go to Control Panel and click **Hardware and Sound → Device Manager**.
2. In the Device Manager window, expand **Network adapters**.
3. Right-click your network adapter device, and click **Properties**.

4. Click the **Power Management** tab.
5. Clear the **Allow this device to wake the computer** check box.
6. Click **OK**.

---

## Appendix F. Notices

Lenovo may not offer the products, services, or features discussed in this document in all countries. Consult your local Lenovo representative for information on the products and services currently available in your area. Any reference to a Lenovo product, program, or service is not intended to state or imply that only that Lenovo product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any Lenovo intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any other product, program, or service.

Lenovo may have patents or pending patent programs covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

*Lenovo (United States), Inc.  
1009 Think Place - Building One  
Morrisville, NC 27560  
U.S.A.  
Attention: Lenovo Director of Licensing*

LENOVO PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. Lenovo may make improvements and/or changes in the product(s) and/or the application(s) described in this publication at any time without notice.

The products described in this document are not intended for use in implantation or other life support applications where malfunction may result in injury or death to persons. The information contained in this document does not affect or change Lenovo product specifications or warranties. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of Lenovo or third parties. All information contained in this document was obtained in specific environments and is presented as an illustration. The result obtained in other operating environments may vary.

Lenovo may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Any references in this publication to non-Lenovo Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this Lenovo product, and use of those Web sites is at your own risk.

Any performance data contained herein was determined in a controlled environment. Therefore, the result obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

This document is copyrighted by Lenovo and is not covered by any open source license, including any Linux agreement(s) which may accompany software included with this product. Lenovo may update this document at any time without notice.

To obtain the most up-to-date documentation for your computer, go to:

<http://www.lenovo.com/support>

---

## Appendix G. Trademarks

The following terms are trademarks of Lenovo in the United States, other countries, or both:

- Access Connections
- Active Protection System
- Lenovo
- Lenovo logo
- ThinkPad
- ThinkPad logo
- TrackPoint
- UltraConnect

DisplayPort is a trademark of the Video Electronics Standards Association.

Intel, Intel SpeedStep, and Thunderbolt are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

Microsoft, Windows, Direct3D, BitLocker, and Cortana are trademarks of the Microsoft group of companies.

The terms HDMI and HDMI High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Ubuntu is a registered trademark of Canonical Ltd.

USB-C and USB Type-C are trademarks of USB Implementers Forum.

Wi-Fi Alliance and Miracast are registered trademarks of Wi-Fi Alliance.

Other company, product, and service names may be trademarks or service marks of others.





