

Lenovo Product End of Life Processing Information.

Product Categories which this document covers:

Notebook Computers, Tablets/Slates

PURPOSE:

Lenovo supports recycling of Waste Electrical and Electronics Equipment (WEEE) for all the worldwide countries and regions Lenovo ships to. The purpose for creating this document is showing recyclers the location of parts requiring selective treatment and general product disassembly instructions, as required by the EU WEEE Directive 2012/19/EU.

GENERAL DESCRIPTION/DISASSEMBLY:

Most parts can be removed easily by hand. In some cases, common tools such as flat-head or Phillips-head screwdrivers may be necessary. Location of parts requiring selective treatment and the instructions for removing parts in each product can be found in the Hardware Maintenance Manual. This file can easily be found using the process below:

Go to <https://pcsupport.lenovo.com>. There, you can search by product name, serial number, or machine type. Enter your product and choose “**How To’s**”. You will then see a link for the **Hardware Maintenance Manual** for your specific product.

MATERIALS REQUIRING SELECTIVE TREATMENT

The following table provides information on the presence of materials and components that require selective treatment as defined by the European Union WEEE Directive, 2012/19/EU Annex VII.

Substance, preparation or component	Notes
Capacitors containing polychlorinated biphenyls (PCBs) or polychlorinated terphenyls (PCT)	Product does not contain polychlorinated biphenyls (PCBs) or polychlorinated terphenyls (PCT)
Mercury containing components	Product does not contain mercury
Batteries	Lenovo Notebook Computers and Tablets/Slates use Lithium-Ion Battery Packs, and some also use a Lithium Primary Coin Cell. Refer to the Hardware Maintenance Manual “Removing or replacing a FRU -> Battery Pack/Built-in Battery” or -> Coin-cell battery” section for removal instructions
Toner cartridges	Product does not contain toner cartridges
Asbestos	Product does not contain asbestos
Gas discharge lamps	Product does not contain gas discharge lamps

Printed circuit boards	Present in Notebooks: mainboard, battery, HDD/SSD, RAM, CPU, GPU, LCD, Trackpad, keyboard, fan, I/O boards, WWAN card, Smart Card reader, fingerprint module, external power supply*. Present in Tablets/Slates: mainboard, LCD module, camera card, WWAN card, audio card, solid-state storage, I/O cards, fingerprint module, battery, external power supply*. Refer to the Hardware Maintenance Manual “ <i>Locating CRUs and FRUs</i> ” section for location in Notebooks and Tablets/Slates
Plastic containing brominated flame retardants	Product does not contain brominated flame retardants in plastic
Cathode ray tube (CRT)	Product does not contain a CRT
Chlorofluorocarbons (CFC); hydrochlorofluorocarbons (HCFC); or hydrocarbons (HC)	Product does not contain Chlorofluorocarbons (CFC); hydrochlorofluorocarbons (HCFC); or hydrocarbons (HC)
Liquid crystal displays (together with their casing where appropriate) of a surface area greater than 100 square centimeters	Notebook Computers and Tablets/Slates use liquid crystal displays with a surface area of greater than 100 square centimeters. Refer to the “LCD” instructions in the “ <i>Removing or replacing a FRU</i> ” section of the Hardware Maintenance Manual
External electric cables	External cables may be present and are easily removed
Components containing refractory ceramic fibres	Product does not contain refractory ceramic fibres
Components containing radioactive substances	Product does not contain radioactive substances
Electrolyte capacitors containing substances of concern – greater than 25 mm in height or diameter or similar volume	These capacitors may be present in external power supplies. Electrolytic capacitors (height and/or diameter greater than 25mm) are not used on Lenovo mainboards
Equipment containing gasses that are ozone depleting or have a global warming potential above 15	Product does not contain gasses that are ozone depleting or have a global warming potential above 15

* External power supplies, due to safety regulations, are often not fastened with external screws. Instead, they use adhesive or are heat-welded together. The recycler will have to use methods such as cracking or cutting to remove the internal printed circuit board.