

## Lenovo Product End of Life Processing Information.

### Product Categories which this document covers:

Desktop, Integrated Desktop Computer, Thin Client, and Workstation

#### 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 Desktops, Integrated Desktop Computers, Thin Clients, and Workstation products use Lithium Primary Coin Cells to keep certain settings when off. For removal and handling instructions, refer to the Hardware Maintenance Manual “Removing and installing hardware - Coin-cell battery” section for instructions on removal of battery on the mainboard

Printed circuit boards	Present in mainboard, memory modules, Wi-Fi card, Card reader, HDD/SSD, I/O boards, Power supply (Some Small Form Factor/Tiny Desktops/ Workstations, Thin Clients, and Integrated Desktop computers use external power supplies*), PCI cards, and fan assemblies. For locations, refer to the Hardware Maintenance Manual “Major FRUs and CRUs” section.
Toner cartridges	Product does not contain toner cartridges
Plastic containing brominated flame retardants	Product does not contain brominated flame retardants in plastic
Asbestos	Product does not contain asbestos
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)
Gas discharge lamps	Product does not contain gas discharge lamps
Liquid crystal displays (together with their casing where appropriate) of a surface area greater than 100 square centimeters	Desktop, Thin Client, and Workstation products do not contain liquid crystal displays. Integrated Desktop Computers: For instructions on removal, refer to the Hardware Maintenance Manual “LCD panel” section
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 are present in power supply units 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.