



## Features and specifications

Combine ThinkPad Battery 27++ (9 cell slice) (57Y4545) with the system battery ([ThinkPad Battery 55+ \(6 cell \)](#) or [55++ \(9 cell\)](#)) for an all-day computing ([www.lenovo.com/alldaycomputing](http://www.lenovo.com/alldaycomputing)) experience.

### Features:

- Attaches under the ThinkPad using the ThinkPad docking connectors
- Rechargeable battery using Lithium-Ion (Li-Ion) technology.
- Nine-cells
- Battery Energy: 94 Wh (Watt-hours)
- Over-discharge protection
- Compatible with the [ThinkPad External Battery Charger](#)
- Hot pluggable supporting "warm/hot swap" using a battery locking switch. When battery is un-locked, a "battery detach notification" is sent to ThinkPad system, the ThinkPad system switches power to the system battery

### Note:

This battery cannot be used along with ThinkPad Series 3 port replicator and docks.

## Physical specifications

- ThinkPad Battery 27++ (9 cell slice) (57Y4545):
  - Approximate height: 29 mm (1.1 in)
  - Approximate width: 305 mm (12.0 in)
  - Approximate depth: 103 mm (4.1 in)
  - Weight: 0.61 kg (1.4 lb)
- ThinkPad Battery 27++ (9 cell slice) (57Y4545) packaged in a carton:
  - Approximate height: 76 mm (3.0 in)
  - Approximate width: 373 mm (14.8 in)
  - Approximate depth: 239 mm (9.4 in)
  - Weight: 0.90 kg (2.05 lb)

## Operating environment

- Temperature: 5 deg to 35 deg C (41 deg to 95 deg F)
- Relative humidity: 8% to 95%
- Shock: 50cm free drop

Vibration (Random RMS): 1.04 G (2 Hz to 200 Hz)

## Warranty

1 year - Customer Replaceable Unit (CRU)

- Announce date: 07 Jan 2010 (Worldwide)
- Availability date: 29 Jan 2010 (Worldwide)

## Hardware compatibility

Description	Machine - Models
ThinkPad T410, T410i, T420, T510, T510i, T520	All
ThinkPad W510, W520	All

### Note:

- Compatible with the [ThinkPad External Battery Charger](#)
- To be used along with the ThinkPad System battery to provide an all-day computing ([www.lenovo.com/alldaycomputing](http://www.lenovo.com/alldaycomputing)) experience.
- Attaches under the ThinkPad docking connectors.
  - Not supported when using [ThinkPad Series 3 Port Replicator or docks](#)
- This battery is not compatible to the ThinkPad T400s, T410s, T410si, T420s.. For ThinkPad T400s, T410s, T410si, T420s compatible batteries, go to: [Lenovo Support: Batteries: Reference Guide](#)

## Packaging

- Battery
- Publications

## Agency approvals

- CE MARK, UL/cUL, ACA/C-Tick, PSE, KC

## Additional product information

- [Service parts](#) - Part number listing for your product
- [Publications](#) - Instruction manual for your product
- [Lenovo Support: Batteries: Reference Guide](#) - A list of other batteries
- [Lenovo Support: Docking Stations and Port Replicators: Reference Guide](#) - A list of docking stations and port replicators
- [All Day Computing \(www.lenovo.com/alldaycomputing\)](#) - Information on batteries, including estimated battery life, and power adapters
- [Personal Systems Reference \(PSREF\)](#) - Comprehensive information on the features and technical specifications of Lenovo products.