

Your Laptop: Repair Or Replace

Laptop

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A laptop computer or notebook computer, also known as a laptop or notebook, is a small, portable personal computer (PC). Laptops typically have a clamshell form factor with a flat-panel screen on the inside of the upper lid and an alphanumeric keyboard and pointing device on the inside of the lower lid. Most of the computer's internal hardware is in the lower part, under the keyboard, although many modern laptops have a built-in webcam at the top of the screen, and some even feature a touchscreen display. In most cases, unlike tablet computers which run on mobile operating systems, laptops tend to run on desktop operating systems, which were originally developed for desktop computers.

Laptops are used in a variety of settings, such as at work (especially on business trips), in education, for...

Right to repair

Carolyn (20 May 2022). "Broken laptop? How California's right-to-repair movement is trying to make it easier to fix your electronics". San Francisco Chronicle

Right to repair is a legal right for owners of devices and equipment to freely modify and repair products such as automobiles, electronics, and farm equipment. Right to repair may also refer to the social movement of citizens putting pressure on their governments to enact laws protecting a right to repair.

Common obstacles to repair include requirements to use only the manufacturer's maintenance services, restrictions on access to tools and components, and software barriers.

Proponents for this right point to the benefits in affordability, sustainability, and availability of critical supplies in times of crisis.

Framework Computer

an American laptop computer manufacturer. The company positions itself as a proponent of the right-to-repair movement, and their laptops are designed

Framework Computer, Inc. is an American laptop computer manufacturer. The company positions itself as a proponent of the right-to-repair movement, and their laptops are designed to be easy to disassemble, with replaceable parts.

Dell Inspiron laptops

Inspiron series is a line of laptop computers made by American company Dell under the Dell Inspiron branding. The first Inspiron laptop model was introduced before

The Dell Inspiron series is a line of laptop computers made by American company Dell under the Dell Inspiron branding. The first Inspiron laptop model was introduced before 1999. Unlike the Dell Latitude line, which is aimed mostly at business/enterprise markets, Inspiron is a consumer-oriented line, often marketed towards individual customers as computers for everyday use.

OLPC XO

The OLPC XO (formerly known as \$100 Laptop, Children's Machine, 2B1) is a low cost laptop computer intended to be distributed to children in developing

The OLPC XO (formerly known as \$100 Laptop, Children's Machine, 2B1) is a low cost laptop computer intended to be distributed to children in developing countries around the world, to provide them with access to knowledge, and opportunities to "explore, experiment and express themselves" (constructionist learning). The XO was developed by Nicholas Negroponte, a co-founder of MIT's Media Lab, and designed by Yves Behar's Fuseproject company. The laptop is manufactured by Quanta Computer and developed by One Laptop per Child (OLPC), a non-profit 501(c)(3) organization.

The subnotebooks were designed for sale to government-education systems which then would give each primary school child their own laptop. Pricing was set to start at US\$188 in 2006, with a stated goal to reach the \$100 mark in 2008...

Nonvolatile BIOS memory

How to replace dead CMOS battery and configure BIOS settings (video). Tutorial: How to replace the CMOS battery in your laptop How to replace the CMOS

Nonvolatile BIOS memory refers to a small memory on PC motherboards that is used to store BIOS settings. It is traditionally called CMOS RAM because it uses a volatile, low-power complementary metal-oxide-semiconductor (CMOS) SRAM (such as the Motorola MC146818 or similar) powered by a small battery when system and standby power is off. It is referred to as non-volatile memory or NVRAM because, after the system loses power, it does retain state by virtue of the CMOS battery. When the battery fails, BIOS settings are reset to their defaults. The battery can also be used to power a real time clock (RTC) and the RTC, NVRAM and battery may be integrated into a single component. The name CMOS memory comes from the technology used to make the memory, which is easier to say than NVRAM.

The CMOS RAM...

iBook

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iBook is a line of laptop computers designed, manufactured, and sold by Apple Computer from 1999 to 2006. The line targeted entry-level, consumer and education markets, with lower specifications and prices than the PowerBook, Apple's higher-end line of laptop computers. It was the first mass consumer product to offer Wi-Fi network connectivity, which was then branded by Apple as AirPort.

The iBook had three different designs during its lifetime. The first, known as the "Clamshell", was inspired by the design of Apple's popular iMac line at the time. It was a significant departure from previous portable computer designs due to its shape, bright colors, incorporation of a handle into the casing, lack of a display closing latch, lack of a hinged cover over the external ports and built-in wireless...

ThinkPad

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ThinkPad is a line of business-oriented laptop and tablet computers produced since 1992. It was originally designed, created and manufactured by the American International Business Machines (IBM) Corporation. IBM sold its PC business to the Chinese company Lenovo in 2005 and since 2007 all ThinkPad models have been manufactured by them.

The ThinkPad line was first developed at the IBM Yamato Facility in Japan; they have a distinct black, boxy design, which originated in 1990 and is still used in some models. Most models also feature a red-colored trackpoint on the keyboard, which has become an iconic and distinctive design characteristic associated with the ThinkPad line. It has seen significant success in the business market while certain models target students and the education market....

PowerBook G4

actually performing the repair is difficult as the display bezel is glued together. In addition some discolouration, bubbling or peeling of paint on the

The PowerBook G4 is a series of notebook computers manufactured, marketed, and sold by Apple Computer between 2001 and 2006 as part of its PowerBook line of notebooks. The PowerBook G4 runs on the RISC-based PowerPC G4 processor, designed by the AIM (Apple/IBM/Motorola) development alliance and initially produced by Motorola. It was built later by Freescale, after Motorola spun off its semiconductor business under that name in 2004. The PowerBook G4 has had two different designs: one with a titanium body with a translucent black keyboard and a 15-inch screen; and another in an aluminum body with an aluminum-colored keyboard, in 12-inch, 15-inch, and 17-inch sizes.

Between 2001 and 2003, Apple produced the titanium PowerBook G4; between 2003 and 2006, the aluminum models were produced. Both...

AC adapter

(September 2, 2011). "Universal Laptop Power Adapters For The Air, Road, And Wall" ; Tom's Hardware. Green Plug tries to replace the worry warts Engadget May

An AC adapter or AC/DC adapter (also called a wall charger, power adapter, power brick, or wall wart) is a type of external power supply, often enclosed in a case similar to an AC plug. AC adapters deliver electric power to devices that lack internal components to draw voltage and power from mains power themselves. The internal circuitry of an external power supply is often very similar to the design that would be used for a built-in or internal supply.

When used with battery-powered equipment, adapters typically charge the battery as well as powering the equipment.

Aside from obviating the need for internal power supplies, adapters offer flexibility: a device can draw power from 120 VAC or 230 VAC mains, vehicle battery, or aircraft battery, just by using different adapters. Safety can be...

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