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Laptop Components

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The basic components of laptops are similar in function to their desktop counterparts, but are miniaturized, adapted to mobile use, and designed for low power consumption. Because of the additional requirements, laptop components are usually of inferior performance compared to similarly priced desktop parts, and they require greater maintenance and replacement of parts. Current laptops utilize lithium ion batteries, with more recent models using the new lithium polymer technology. These two technologies have largely replaced the older nickel metal-hydride batteries. Typical battery life for standard laptops is two to five hours of light-duty use, but may drop to as little as one hour when doing power-intensive tasks. A battery's performance gradually decreases with time, leading to an eventual replacement in one to three years, depending on the charging and discharging pattern.

The liquid crystal display (LCD) is also a component of modern laptops. An LCD Display Screen is a flat panel display, electronic visual display, or video display that uses the light modulating properties of liquid crystals (LCs). As LCD panels produce no light of their own, they require an external lighting mechanism to be easily visible. On most displays, this consists of a cold cathode fluorescent lamp that is situated behind the LCD display screen panel. For battery-operated units (e.g. laptops) this requires an inverter to convert DC to AC. Recently, two types of LED backlit displays have appeared in some televisions as an alternative to conventional backlit LCDs. In one scheme, the LEDs are used to backlight the entire LCD panel. In another scheme, a set of red, green and blue LEDs is used to illuminate a small cluster of pixels, which can improve contrast and black level in some situations.

LCDs are more energy efficient and offer safer disposal than CRTs. Its low electrical power consumption enables it to be used in battery-powered electronic equipment. It is an electronically modulated optical device made up of any number of segments filled with liquid crystals and arrayed in front of a light source (backlight) or reflector to produce images in color or monochrome. The most flexible ones use an array of small pixels.

Among the many companies that produce and sell laptops, laptop batteries, and laptop LCD screens, Dell, IBM, Gateway, and Compaq are the most well-know. Toshiba offers an impressive lineup of high performance and affordable laptop computers with a model that will certainly fit your expectations and specifications. The Toshiba laptops are superbly designed with pleasing aesthetics combined with superior performance. The LCD displays are crystal clear for easy on the eyes readability and fantastic graphics for photo and video applications. No matter what model of Toshiba laptop you have, there are notebook batteries specially made for each of them. The run time of Toshiba notebook batteries is known to be extensive, which is why it is the laptop of choice for many working professionals. Dell is also a well known and well-respected brand name. Their laptops and notebooks are known for their durability and functionality.

As laptops, notebooks, and their parts do wear down, it is important that users be able to find replacement parts. Fortunately, there are many outlets from which one can purchase laptop components cheaply.

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Laptop replacement components can be purchased cheaply. For more information about a LCD Display Screen please visit http://www.akkubattery.net

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