

Technological things that consider earthquakes are small

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In fact, every time we own a technology item, we all have to learn how to protect it. For example, do not use a mobile phone while taking a shower, do not put a laptop in a hot car, or put a computer in the refrigerator .

But sometimes, accidents still happen. Only a few small negligence, can cause us to lose a sum of repairs, even throwing that item into the trash.

Have you ever dropped your phone in a water bath or let your laptop get wet? With these items, you don't need to worry, because they can absolutely "survive", even in worse circumstances.

Panasonic Toughbook CF-30 laptop

Many laptops are broken after falling from the table to the ground or simply having a cup of coffee on the keyboard. But with CF-30, these calamities are just "mosquitoes" because this product is designed to withstand more terrible accidents.

With a magnesium alloy shell, the CF-30 is durable enough to withstand external influences, such as falling from a height of 1.8 meters to the ground when inactive and folded, and from a height of 0.9 meters. when opening and operating.



CF-30 has an IP rating of 65, of which 6 means that the machine's dust tolerance level and 5 are water resistant. At this level, the CF-30 is capable of working well in the most dusty and sandy conditions, such as desert storms with wind speeds of 70 mph or heavy storms.

You can bring this computer into the shower bathroom, but cannot fully dip into the water. The CF-30 can withstand temperatures from minus 34 degrees to 66 degrees Celsius and weighs up to 136kg directly.

However, Toughbook CF-30 is not only famous for its durability, but is also equipped with enough capabilities that owners can use in the most extreme times. For example, such a bright display screen, even with direct sunlight.

In terms of configuration, the CF-30 uses Intel Core 2 Duo processor, shockproof hard drive with capacity of 160GB, 13.3-inch touch screen, resolution of 1024 x 768 XGA LCD, 20 brightness adjustment modes. The machine weighs 3.8kg and is 7.6cm thicker. Price about 3,500 USD.

Laptop Dell Latitude E6400 XFR

It can be said that the Dell Latitude E6400 XFR is Toughbook CF-30's direct competitor, as it is equally flexible. Similar to CF-30, XFR has an IP index of 65, meaning that it can exist in the same dusty and humid conditions.

XFR can withstand crashes when dropped from a height of 1.2m to ground in closed and inactive conditions, or 0.9m when opening and operating. Even if you drop a steel ball with a diameter of 2.54cm from a height of 0.9m down to the screen, XFR will not change.



Owning a durable screen like that is really great, if you often have to work near places with strong shattering or hail threatening.

With a price of over 3,600 USD, XFR is equipped with Intel 45 Express chipset, 14.1 inch screen, 1,280 x 800 WXGA resolution, with 15 brightness adjustment modes, 120GB hard drive with free fall sensor and withstand impact.

The product supports Wi-Fi, RAM up to 8GB, mobile broadband Internet connection and GPS positioning. Dell said, the battery of XFR has a duration of 6 hours. Similarly CF-30, Dell's product weighs 3.8kg but is only 6.3cm thick.

Panasonic Toughbook CF-F8 Notebook

This computer is designed specifically for people who often move, sometimes fumbling to pour water on the machine. Unlike the first two products, the CF-F8 is not resistant to rainstorms, heavy desert use or severe drop.

But anyway, this machine is much more durable than conventional products.



The keyboard of CF-F8 is completely waterproof so users can be assured if they miss pouring coffee on it. This is all thanks to an outlet that drains water down the bottom of the laptop. According to the test results, CF-F8 can survive if dropped from a height of 0.75m and withstand direct pressure of 100kg.

This blood sample is equipped with an Intel Core 2 Duo processor, a removable 160GB hard drive and impact-resistant body, DVD drive, 14.1-inch LCD screen, 1,280 x 800 resolution, 3GB RAM and Wi-Fi connection.

One of the interesting options in CF-F8 is the integration of the Gobi global mobile Internet and fingerprint recognition capabilities. The product weighs 1.7kg, is much lighter than the two models.

Mobile hard drive Hitachi SimpleTough

If you have a habit of carrying with you confidential documents but worry about being stuck with rain or mud, you should choose to buy a portable hard drive with high durability.

Mobile hard drives are shock-resistant and shock-proof when dropped from a height of 3m, perhaps only in the spy series 007. However, Hitachi SimpleTough is a real product.



SimpleTough has impact-resistant mechanical part when falling from a height of 3 meters to the ground (when not working). The product is designed to ensure that the device operates stably even if dropped or unfortunately poured liquid onto it.

Hitachi SimpleTough is one of the most durable portable hard drives sold on the market. The product is equipped with a dark gray cover that is smooth in design, the two sides are shockproof rubber and a USB cord.

Hitachi said that the device can withstand 1 ton pressure and waterproof. Therefore, SimpleTough is very suitable for users who like to carry data with them, whether walking, camping or climbing .

Hitachi SimpleTough includes versions of 250GB, 320GB and 500GB capacities. The product sells for about 90 USD for 250GB capacity.

LaCie Rugged mobile hard drive

Adorned with an orange rubber layer (removable), the LaCie Rugged hard drive appears to be ready for falls from 2.1m (in an inactive state) without never thought.



LaCie is quite light, only 249g and compact. The case is made of scratch-resistant aluminum. LaCie's data transfer rate is up to 30MB per second. Products have many capacities, 250GB, 320GB and 500GB.

The price for the smallest version is USD 100 with USB 2.0 port and USD 130 for the FireWire-connected version.

Olympus Stylus Tough-8000 digital camera

There are many types of digital cameras that can withstand water, but not any water-proof camera can withstand a drop when dropped.

When dropped, the camera's lens is often broken and users have to spend a lot of money to repair. To solve this problem, users should choose products that are durable, resistant to impact, dust, water or anything that sticks.



High-end digital cameras are designed specifically for people who are active outside, such as skiing, climbing, and diving. Olympus Stylus Tough-8000 is one of these.

Tough-8000 can withstand impact when dropped from a height of 2m, water resistant (down to 10m depth, according to Olympus) and can withstand the pressure up to 100kg. In addition, you can use this 12-dot camera in frosty conditions, to minus 25 degrees Celsius.

The product is also equipped with dual image equalizer and 3.6X optical zoom. The price of Tough-8000 is about 300 USD. You can also refer to other models of durable cameras on the market such as the Canon PowerShot D10 12.1 Megapixel, or Pentax Optio W60 10 dots.

Sonim XP3 mobile phone

Mobile phones are now too popular and almost everyone has one in their pockets. But if your career is tougher than usual, for example athletes, construction workers, you'll need a more durable phone.

Manufacturers of durable mobile phones say that their products can withstand crashes when falling from a height of 1.8 meters, waterproofing water, dust and sand. Sonim XP3 is one of those phones with similar power.



According to manufacturer Sonim, XP3 can survive under the pressure of elephants, cars and guns. This product has caused a stir on the Internet, when its images appear on YouTube online video sharing sites. XP3 is resistant to impact when dropped from a height of 1.98m and immersed in water at a depth of 1m for 30 minutes, although the quality of underwater calls is not very good.

The manufacturer said the battery life of XP3 when talking continuously is 18 hours, far beyond the players like BlackBerry Storm (7 hours, 39 minutes) and the BlackBerry Pearl 8120 (9 hours, 43 minutes). Standby time of XP3 is up to 1,500 hours, while full charge takes only 2 hours.

This mobile model can operate in temperatures from minus 20 to 55 degrees Celsius, according to the manufacturer's statement. XP3 is equipped with GPS navigation capabilities.

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