

HP DURACASE

IS YOUR
NOTEBOOK
BUILT



FOR
BUMPS AND BANGS?

TECHNOLOGY SPOTLIGHT

HP PROFESSIONAL INNOVATIONS FOR BUSINESS NOTEBOOKS



The working world can be a rough place for a business notebook computer. If you travel often, your notebook is susceptible to the bumps, bangs, squeezes and scratches that come with life in airports, airplanes and ground transportation. And even in the course of everyday work, your notebook can get knocked around as you move from room to room and travel between your home and the office.

When your notebook takes a hard hit, there's a lot on the line. A cracked display, broken case or bent hinge could leave you with an inoperable PC—and bring your work to a halt. With so much at stake, you need a business notebook that's business rugged. That's the HP EliteBook series—notebooks that are equipped with a spill-resistant keyboard, a shock-mounted hard drive and a long-life battery.

And that's just the beginning. To help protect your notebook from the inevitable wear and tear of the working world, we developed a ruggedized protective casing that is unlike anything currently on the market. This casing is so tough that we built durability into the name: HP DuraCase.



To demonstrate the strength of the HP DuraCase, we applied up to 1,800 pounds of force to a vehicle tire resting on the display enclosure. The HP DuraCase protected the display up to 1,000 pounds² of force, and the notebook continued to operate attached to an external display when subjected to up to 1,800 pounds² of force. The HP DuraCase is designed to handle the daily stress of a mobile lifestyle.

INCREASE RELIABILITY WITH HP DURACASE.

The HP DuraCase design brings together several durability features that help protect your notebook from wear and tear. These complementary features work together to soften the blows of a working world and improve the reliability of your business notebook. In simple terms, the HP DuraCase helps keep your notebook up and running—and out of the repair shop.

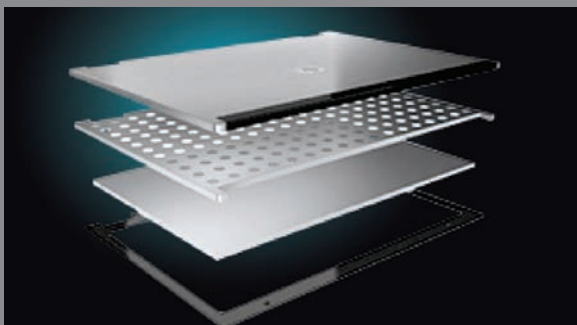


Magnesium alloy chassis

A full magnesium alloy chassis creates an incredibly strong case to protect the top and bottom of the notebook against rigorous usage. Magnesium alloy is 18 times stiffer than comparable plastic (PC/ABS) components. This solid foundation makes a big difference when it comes to protecting your notebook against rough days in the working world.

Aircraft-inspired construction

Inspired by aircraft construction for its durability, precision and lightness, our new magnesium/aluminum display enclosure uses an inner magnesium shell with a honeycomb pattern that is thermally bonded to an anodized aluminum sheet. When your notebook gets squeezed in an overhead baggage compartment, you'll be glad you've got our business rugged construction on your side. This layered construction is 50 percent stronger than magnesium alone¹, and helps protect the notebook's display against impact.





HP recommends Windows Vista® Business.

Anodized aluminum surfaces

In HP EliteBook series business notebooks, the palm-rest and display enclosure surfaces are made of anodized aluminum with an attractive brushed finish. This innovative material provides extraordinary scratch resistance—while giving your notebook a sleek, clean look. Tests show that anodized aluminum is six times more scratch resistant than painted magnesium.

Display latch with four-point lockdown

The newly improved display latch creates a four-point lock down for the top and bottom of your notebook when you close the lid. The reinforced metal pins and hooks help prevent the display enclosure from additional vibrations, resulting in better protection of your system against shock and side-to-side impacts.

Metal alloy hinges

HP business notebook PCs feature metal alloy hinges with hardened steel pin axels. These hinges are designed to withstand extensive use. Mechanical tests simulate opening and closing the notebook ten times every day for six years (25,000 cycles).

GET A NOTEBOOK THAT'S READY FOR EVERYDAY BATTLES.

How tough is the HP DuraCase? To answer that question, we tested the HP DuraCase using military standards for fully rugged notebooks. We know that if it is tough enough to meet the Military Standard 810F for drop, vibration, shock, dust, humidity, altitude, and high and low temperature, then it is ready for the rigors of your everyday life.

These tests show that the HP DuraCase is built to withstand the everyday battles of an ultra-mobile working world. For example, say you drop your notebook while dashing from one meeting room to another. You'll be glad to know that the HP EliteBook 2530p and 6930p have been tested to withstand a 30-inch drop, 26 times, onto every side, edge and corner.

Or have you ever left your notebook in the car on a hot day? Our business notebooks with HP DuraCase are built to take the heat. All HP EliteBook Notebook PCs have been tested to operate at over 60 degrees Celsius or 140 degrees Fahrenheit. They can also withstand bumps and vibrations simulating 1,000 miles of ground transportation. And the fact that they also look great? That's an added bonus.



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Look for these innovations on HP business notebooks.

LEVERAGE THE POWER OF HP PROFESSIONAL INNOVATIONS.

HP DuraCase is among the many HP Professional Innovations that allow our business notebooks to deliver a better mobile computing experience. Collectively, these innovations increase the security, reliability and ease of use of your HP business notebook—so you can stay productive when you're on the go.

In short, HP Professional Innovations help keep you going places—fast.

HP recommends Windows Vista® Business.

Tested to extremes

The HP EliteBook Notebook PCs are built to withstand a wide range of environmental conditions, as illustrated in these Military Standard 810F tests, which were conducted by an independent third party.

MIL-STD-810F Method	Description	HP EliteBook model number:			
		2530p	6930p	8530p/w	8730w
Drop Test (Method 516.5, Procedure IV)	26 drops from 30 in (76 cm) onto a non-yielding surface	✓	✓		
Shock (Method 516.5, Procedure I)	40g, 11 ms, 3 shocks/axis/direction	✓	✓	✓	✓
Operational Vibration (Method 514.5, Procedure I, Category 4)	Simulates 1,000 miles of ground transportation	✓	✓	✓	✓
Sand and Dust Resistance (Method 510.4, Procedure I)	Simulates blowing dust	✓	✓	✓	✓
Humidity (Method 507.4)	Simulates exposure to 95% relative humidity	✓	✓	✓	✓
High Temperature (Method 501.4, Procedures I & II)	Operating at 140°F (60°C)	✓	✓	✓	✓
Altitude (Method 500.4, Procedures I & II)	Operating at 15,000 feet	✓	✓	✓	✓

To learn more, visit www.hp.com/go/professionalinnovations

1. Comparison between HP DuraCase display enclosure and previous generation HP magnesium display enclosure
2. Based on internal testing that applied up to 1,800 pounds of force to a 245/70 R16 tire resting on the HP EliteBook 6930p display enclosure. Testing was conducted in a laboratory setting. Results will vary based on tire specifications. Driving over a notebook PC is considered an unusual event and is not covered under warranty.

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