

# What is the MIL-STD 810 durability standard? Is this an important factor to buy a smartphone or laptop?

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Besides dust and water resistance, MIL-STD 810G is also a standard that is often mentioned on today's smartphone and laptop models. So, what do you know about MIL-STD 810G and is this an element of product selection or is it just a marketing trick of the manufacturers? Let's find out through the article below.

## What is MIL-STD 810?

MIL-STD (Military Standard stands) is the durability standard set by the US military for their equipment. The 810G was the standard set in 2014 to replace the 810F that came out in 2000. The new 810H standard will be released in the next few years with more stringent requirements for endurance and durability.



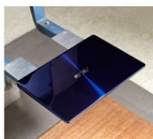
In order to achieve MIL-STD 810 standards, devices must undergo 28 continuous tests such as low pressure, high / low temperature, concussion temperature, liquid intoxication, rain, salinity, vibration, sound noise, etc. Later, those tests were applied by manufacturers to their industrial equipment and electronics.

## Is the MIL-STD 810G standard important?

ASUS is the first to apply 810G standard to its Gaming products and multimedia Ultrabook products.



**Độ Chống Shock**  
Giả lập tình huống va đập với gia tốc cao



**Thả Rơi**  
Thả rơi máy lên một bề mặt gỗ để kiểm tra độ bền



**Rung Lắc**  
Khả năng chịu rung vật lý từ 5 đến 500Hz



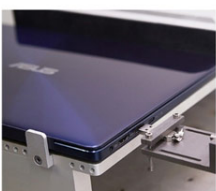
**Vận Chuyển**  
Kiểm tra khả năng chịu đựng của vỏ hộp và máy khi vận chuyển



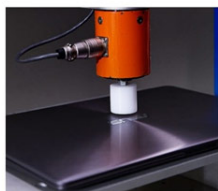
**Độ Bền Bàn Phím**  
Lên đến hơn 10 triệu lần nhấn phím



**Bản Lề**  
Có độ bền tới 20,000 lần chu kỳ đóng mở



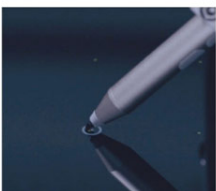
**Cổng Kết Nối**  
Vẫn có thể làm việc sau 5,000 lần sử dụng



**Thử Sức Ép**  
Chịu đựng được lên đến 25Kg mà không gây hư hại cho máy



**Xoay Vận**  
Từng chiếc máy được kiểm thử để đảm bảo độ chắc chắn của bộ khung



**Màn Hình Cảm Ứng**  
Kiểm tra độ nhạy và độ chính xác của màn hình cảm ứng

To be certified with MIL-STD 810G durability certification, ASUS computers must undergo a lot of rigorous tests.

For computer and smartphone manufacturers, the MIL-STD 810G standard helps them to control product quality and prevent incidents that may occur during user use. The endurance and endurance of a computer, a smartphone that passes MIL-STD 810G tests is always better than non-standard products.

For users, the MIL-STD 810G standard gives them peace of mind to choose their device instead of looking visually and believes the brand is durable and groundless. The devices that meet the MIL-STD 810G standards can work well in hot, humid, dusty, erratic rain conditions . Of course, the durability of a product depends very much on the time factor. space and exterior.



A few phones that have received MIL-STD-810G military specifications include LG G8 ThinQ, LG G7 ThinQ, LG V50 ThinQ, LG V40 ThinQ, LG V30 and V35 ThinQ, CAT S41.

Some laptop products meet MIL-STD 810G standards such as HP Elitebook 8470p Laptop, HP Elitebook 8570p, Dell Latitude E6420, Dell Latitude E6430, HP Workstation 8570w, HP Zbook 17, Dell Precision M4700, Dell Precision M4800 .

Some visual videos of testing laptops meeting MIL-STD 810G standards, please watch.

1. SSD is getting cheaper and cheaper, HDD will be the technology of the old period?

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