

Panasonic upgraded the configuration for ultra-durable computers

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Models include Toughbook CF-19, CF-31, CF-53 and CF-H2 not only "up the life" of more powerful processors but also run on the new version of Windows 8 Pro operating system.

Besides upgrading the operating system and processor chip, some models like CF-31 and **CF-H2** are also equipped with additional cameras to help users make video calls. Currently, manufacturers have not announced selling prices for new products.



The screen of CF-19 can rotate flexibly.

In particular, the new version of **Toughbook CF-19** is equipped with vPro Core i5-3340M processor and Intel HD 4000 Graphics chip. Using an ultra-bright 10.1-inch LCD screen, users can choose to integrate touch features.

The product weighs 2.3 kg, can resist shock, bumps, dust, MIL-STD 810G military standard water as well as IP65. Panasonic Toughbook CF-19 can work continuously for 10 hours. This model supports 3G connectivity at speeds of up to 14.4 Mbps.



Toughbook CF-31 laptop "copper pot".

The Toughbook CF-31 has two processor options including Intel Core i5-3340M (standard version) and Core i5-3380 (premium version). It still uses Intel HD 4000 Graphics integrated graphics, but there is an additional card option, the AMD Radeon HD 7750M. The Panasonic Toughbook CF-31 screen has a 13.1-inch size that is resistant to glare.

Like CF-19, this model is also resistant to external impacts such as vibration, shock, water, dust according to MIL-STD 810G and IP65. Operation time varies from 12 to 14.5 hours, depending on the configuration. The product supports connections such as 3G, LAN or GPS.



Panasonic Toughbook CF-53 has shockproof HDD.

The processor and graphics configuration of **CF-53** is no different than the basic CF-19 and CF-31. This model uses 14-inch HD resolution screen and integrated DVD drive.

The product is equipped with shockproof HDD. In addition, the manufacturer also allows users to choose the hard drive to withstand low temperatures. It can withstand the force of falling from a height of 76 cm thanks to a durable magnesium frame. The battery of CF-53 is 11 hours long. Connections built into this model include 3G, LAN, FireWire and GPS.



Panasonic Toughbook CF-H2 is aimed at users who work in hospitals.

Toughbook CF-H2 is the only durable tablet model of Panasonic to be upgraded this time. It uses the processor Core i-534437U vPro and Intel HD 4000 Graphics chip. CF-H2 10.1-inch screen is also resistant to glare.

The product weighs 1.58 kg, is resistant to shock, vibration, water and dust according to the same standards as other models. This model meets the criteria for ease of cleaning and disinfection for use in hospitals. Toughbook CF-H2 can maintain 7 hours of operation thanks to the "hot" replaceable dual battery pack .

In addition, it also integrates a variety of other features such as USB 3.0, LAN, Serial Port, barcode reader and Smartcard and GPS.

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