

Characteristics and benefits

Zero-Newton contact-free touch technology:

Benefits

Optimal hygiene

Touch technology allows for the use of glass, an inert material that does not wear out, can be perfectly cleaned, and is totally smooth, a must when cleanliness is an issue. No other material can offer equivalent advantages, with no cracks or crevices to trap impurities. For waterproof keyboards made of stainless steel, for example, an impermeable membrane is found under the keys, which does not prevent the growth of germs.

Greater comfort.

No pressure is required: a simple stroke of the surface is enough:

pressure 0 Newton.

"Traditional" computer keyboards use rigid non-deformable keys (flat or curved) whose contact surface with the finger (about 1.5 cm²) and whose activating force (average of 2.5 Newtons) requires that the finger apply a force of 170 g/cm².

Dome keyboards require higher force (3 to 4 Newtons) and offer a circular finger contact area of about 0.85 cm² (10mm domes) to 1.7 cm² (13mm domes), requiring a force from the finger of between 235 and 470 g/cm².

Thus **the dome keyboard is one of the least comfortable** compared to a traditional keyboard, and even more so compared to a touch keyboard.

Toughness

Tempered glass is by nature impervious. Because the keys are screen printed on the back of the glass, there is no mechanical or surface wear, **whatever the chemical used**.

Domes on membrane keyboards make mechanical operations and are thus subject over time to wear that appears in the form of a softening: keys do not have the same frequency of use, so the force required will end up varying from one key to the other. Think of the digital entry code pads on certain buildings! Domes are in fact sold for a given number of manipulations. In addition, the use of disinfectants ends up by yellowing and cracking their surface.

*But the use of dome keys is extremely economic, which brings manufacturers to use them in products for which **they are used only occasionally**.*

The membranes in flexible keyboards, they end up tearing over time. That is why the warranties offered are always for short periods. (Users speak of two to eight weeks of use.) In case of tears, the risk of infection is very high.

Technical characteristics

Presentation and use

1. Zero Newton activation force. Comfortable, does not wear out. Totally static operation, with no mechanical components, unlike dome keys or the mechanical keys generally used in office settings.
2. Keyboard made up of a sensitive film laminated on the back of a 6mm-thick sheet of tempered

glass. The screen printing on the back of the glass is permanent. No yellowing or change in the surface as with silicone or plastic keys, for example.

3. Compatible with all versions of Windows and Linux.
4. Product compliant with all relevant European directives (CE).
5. Dimensions T 64: 332mm x 188mm x 40mm. All other models 420mm x 188mm x 48mm.
6. Weight: from 1.330kg to 2.150kg depending on model and options.

Functions of the keyboard

1. Active keys operating in tiers to replicate all commands of a traditional office keyboard.
2. Automatic repetition can be configured for all keys that require it (delay before repetition/speed of repetition) by means of the Windows control panel.
3. Audio feedback enabled by hitting a key, and directly controlled on the keyboard (presence/absence – volume).
4. Keyboard blocking (sleep mode) directly enabled from the keyboard to allow cleaning the keyboard surface without unwanted activation of the keys or functions.

Functions of the touch pad

1. Dimensions of the active pointing surface: 77mm x 48mm
2. Two touch clicks (corresponding to the right and left clicks on a mouse)
3. Pointer can be configured (speed) on the Windows control panel