A Comprehensive Approach to Cleaning

Healthcare-associated infections (HAIs) affect 1 in 25 hospitalized patients in the U.S. annually, resulting in the loss of tens of thousands of lives and costing the healthcare system billions of dollars.¹

Studies show rates of some HAIs decrease by as much as 70% with the implementation of prevention practices.²

Universal precautions dictate that medical computing devices must be cleaned between each patient encounter. Lenovo is simplifying this process with a comprehensive, multi-pronged approach that aligns with Centers for Disease Control (CDC) standards for healthcare cleaning, disinfection, and sanitization. Our three-part cleaning strategy ensures that Lenovo Health technology delivers not only superior performance, but also the highest level of patient protection.

1 Ruggedly Cleanable Devices

How can you be sure a device will withstand the repeated daily cleanings required in a healthcare environment? We tested it — 10,000 times — using industry-standard wipes and the chemical cleaning modalities established by the CDC. If you average 12 to 14 patients a day, five days a week, that’s how many times you’ll need to clean a device over its three-year lifecycle.

Lenovo has certified four of the CDC’s recommended modalities as safe to use for the cleaning, disinfection, and sanitization of our devices:

- Hydrogen peroxides (concentrations up to 3%)
- Isopropyl alcohol (concentrations less than 70%)
- Quaternary ammonium compounds in solution
- Peracetic acid (PAA) in solution

12–14 patients a day
5x a week
= 10,000 cleanings
needed for a healthcare device over its three-year lifecycle

Accessories are cleanable, too. A complete line of Seal Shield™ medical-grade keyboards and mice complements our healthcare portfolio. These devices are fully washable and waterproof for use in healthcare environments.

¹https://psnet.ahrq.gov/primers/primer/7/Health-Care-Associated-Infections
2 Software Support

The Lenovo Quick Clean software application suspends user input from keyboards, touchpads, and touchscreens, facilitating thorough wipe-downs without requiring device shutdown. The application launches easily from the menu or with a shortcut key, and the duration is customizable to meet the standards for contact time specified by cleaning product manufacturers.

The Lenovo Quick Clean application is available on the new ThinkPad® T490 Healthcare Edition.*

3 Antimicrobial Surface Treatments

Designed specifically to meet the needs of healthcare professionals, the new Lenovo T490 Healthcare Edition features an ISO 22196-compliant antimicrobial surface treatment, which renders it inhospitable to microbes including *E. coli*, *C. diff*, MRSA, and norovirus.

Many Lenovo accessories, including medical-grade Seal Shield™ products, also include surface protection containing an antimicrobial fungistatic agent that inhibits the growth of bacteria, mold, mildew, and fungi.