

Intel® Architecture-Based Tablets: Improving the Point of Care

Transforming Productivity and Security for a Better Experience

Electronic health records (EHR), digital imaging, and technology-enabled collaborative care are changing the healthcare industry. To make the most of this transformation, healthcare workers need a powerful mobile device that provides the right level of performance and security to protect sensitive patient data.

Intel® architecture-based tablets running the Windows* 8 operating system are designed to meet these challenges and improve the point of care (POC) with the added security you need. Gain immediate access to the right data to improve decision making at the point of patient contact, and work with an unobtrusive, lightweight tablet with a longer battery life that allows you to:

- Multitask with ease, with multiple applications open simultaneously¹ and power to spare.
- Complete tasks faster with a more responsive and secure virtual experience.²
- Work confidently with anti-theft technology that can remotely disable a device that is lost or stolen.³
- Access new touch-enabled applications and run the applications you already use.
- Simplify device management by using the technology platform your IT team already has in place.

Tablets Designed for the Way You Work

You need to move easily from one patient's room to the next without being weighed down by a heavy laptop. Yet your work requires a robust, secure device that can keep up with the demands of your day.



Intel architecture-based tablets running the Windows 8 operating system fit seamlessly into your workflow. Because the tablet has a longer battery life, you can be confident that you'll always have access to vital patient information and medical reference material while making your rounds. Tablets based on the Intel Atom™ processor deliver performance that lasts for hours so you can stay focused on the task at hand.

You can also multitask with ease by moving among any number of open applications on an Intel architecture-based tablet. Watch a video of a CT scan and share documents during a videoconference with colleagues. Using the elegant touch screen, you can navigate effortlessly between patient healthcare records, clinical applications, and other productivity tools that you depend on to manage care.

The unobtrusive design enables you to maintain contact with your patients while accessing or recording relevant medical information, which results in a better experience for you and for your patients. Intel architecture-based tablets are available in a range of sizes, small enough to fit inside the pocket of a lab coat or big enough to handle mobile collaboration with a group of colleagues. The lightweight, portable design provides exactly what you need, when and where you need it.

Instant Access to Patient Data

Whether you're in your office, interacting with a patient, or conferring with other members of your healthcare team, you can be confident you'll have instant access to the patient information you need. Get to work quickly with devices that wake in a flash⁴ and keep data current⁵ at all times. Collaborate across medical specialties to coordinate care for patients with the ability to view detailed medical images and clinical data side by side, while videoconferencing with peers from other medical teams.

Intel architecture-based tablets work with the specialized clinical and operational software that you depend on, with the added reinforcement of the Windows 8 operating system. And the powerful performance of the Intel Core™ vPro™ processor enables you to run critical healthcare applications locally on your tablet, or connect more securely to cloud-based electronic healthcare records.

You also won't have to sacrifice productivity for convenience. Intel architecture-based tablets work seamlessly with the printers, projectors, and other hardware you use every day. With an Intel architecture-based tablet running the Windows 8 operating system, everything just works the way you want it to.

Stronger Security Features You Can Carry

It's critical that the electronic medical records you depend on are only accessible to you and other authorized medical practitioners. Unauthorized access to those records can compromise sensitive patient data and be costly to your healthcare organization. Intel Core vPro processors provide built-in security⁶ to help you avoid costly accidents, including added protection for:

- Encrypting sensitive patient data up to four times faster.⁷ ⁸ Unlike other tablet devices, this level of encryption gives you the security features you need without sacrificing performance.
- Automatically disabling the tablet when it detects a hacking attempt, using Intel Anti-Theft Technology³ 4.0. Even if you lose or misplace your tablet, nobody else can access the data on it.
- Helping to prevent viruses and malware with regular security checks from Intel Trusted Execution Technology³ (Intel TXT) and Intel Virtualization Technology² (Intel VT).
- Managing devices remotely, so that IT workers can keep devices current with the latest security updates.

Intel architecture-based tablets are also made to fit easily within your existing IT infrastructure, including compatibility with an existing Windows platform. Security features, performance, and convenience in the portable design you want—it's all yours with an Intel architecture-based tablet.

For More Information

Learn more about Intel® architecture-based tablets at work in healthcare:

- Find the right device for you at intel.com/tabletforbusiness.
- Find more information on Intel in healthcare at intel.com/healthcare.
- Find additional IT resources in the Intel IT Center at intel.com/ITCenter.

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¹ Available on select Intel Core processors. Requires an Intel Hyper-Threading Technology-enabled system; consult with your PC manufacturer. Performance will vary depending on the specific hardware and software used. For more information, including details on which processors support Intel HT Technology, visit intel.com/info/hyperthreading.

² Intel Virtualization Technology requires a computer system with an enabled Intel processor, BIOS, and virtual machine monitor (VMM). Functionality, performance, or other benefits will vary depending on hardware and software configurations. Software applications may not be compatible with all operating systems. Consult your PC manufacturer. For more information, visit intel.com/virtualization.

³ No computer system can provide absolute security. Requires an enabled Intel processor, enabled chipset, firmware, and software, and may require a subscription with a capable service provider (may not be available in all countries). Intel assumes no liability for lost or stolen data and/or systems or any other damages resulting thereof. Consult your service provider for availability and functionality. For more information, visit intel.com/antitheft. Consult your system manufacturer and/or software vendor for more information.

⁴ Requires a select Intel processor, Intel software and BIOS update, and Intel Solid-State Drive (SSD). Depending on system configuration, your results may vary. Contact your system manufacturer for more information.

⁵ Requires a select Intel processor, Intel software and BIOS update, Intel wireless adapter, and Internet connectivity. Solid-state memory or drive equivalent may be required. Depending on system configuration, your results may vary. Contact your system manufacturer for more information.

⁶ No computer system can provide absolute security under all conditions. Built-in security features available on select Intel Core processors may require additional software, hardware, services, and/or an Internet connection. Results may vary depending upon configuration. Consult your system manufacturer for more details. For more information, visit intel.com/technology/security.

⁷ Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests such as SYSmark* and MobileMark* are measured using specific computer systems, components, software, operations, and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products.

⁸ Desktop and Ultrabook™ device claims based on lowest performance data number when comparing desktop and Ultrabook benchmarks. Configurations and performance tests as follows: (Ultrabook 4 YR) Comparing preproduction 4th generation Intel Core i5-4200U Processor (4T/2C, 3 MB cache, up to 2.60 GHz), On OEM Platform BIOS: OEM Graphics: Intel HD Graphics (driver v. 9.18.10.3071) Resolution 1920 x 1200 Memory: 4 GB (2 x 2 GB) Dual Channel 1600 11-11-11-28 SDD: Liteonit* LMT-128M6M 128 GB OS: Windows 8 6.2 Build 9200 System Power Management Policy: Balance Wireless: On and connected Intel Core 2 Duo Processor P8600 (2.40 GHz, 2T/2C, 3M Cache, 1066 MHz FSB), On OEM Platform BIOS: OEM Graphics: Intel GMA X4500HD (driver v. 8.15.10.2555) Resolution 1366 x 768 Memory: 4 GB (2 x 2 GB) Micron* DDR3 1066 7-7-7-20 HDD: Intel Hitachi* HTS543232L9A300 320 GB 5400 rpm 16 MB cache OS: Windows 7 Ultimate 6.1 Build 7601 System Power Management Policy: Windows Default LCD Size: 15.5" Business productivity claims based on SYSmark 2012 (find out more info at bapco.com), which is the mainstream office productivity, data/financial analysis, system management, media creation, 3-D modeling, and web development benchmark tool used to characterize the performance of the business client. SYSmark 2012 features user-driven workloads and usage models developed by application experts. Multitasking claims based on PCMark* 7 (find out more at futuremark.com), a hardware performance benchmark for PCs running Windows 7, and Windows 8 RTM—includes a collection of various single- and multi-threaded CPU, graphics, and HDD test sets with a focus on Windows application tests. Graphics Performance workload consists of 3DMark* Cloud Gate (find out more at futuremark.com)—an industry-standard 3-D graphics performance benchmark. For more information, go to intel.com/performance.