Intel IT Center

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Meeting the New Standard of Care with Intel® Architecture-Based Tablets

Improving the Point of Care with Stronger Security

Electronic health records (EHR), digital imaging, and technology-enabled collaborative care are transforming the healthcare industry. To manage these changes, IT must ensure that healthcare workers have the right mobile tool for the job, with the level of performance and security needed 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 protection you require. Designed to fit easily with your existing IT infrastructure, Intel architecture-based tablets offer:

- Added security for compliance with federal healthcare regulations and EHR requirements
- Access to new touch-based features and the applications you already use with the Windows 8 operating system
- Remote management capabilities[1] that let you manage devices in any location, in any operational state
- Immediate access to patient data, clinical software, and the hardware your team needs
- A longer battery life in an unobtrusive, lightweight form factor

Tablets Fit Seamlessly into Healthcare Workflow

For clinicians who regularly travel from one patient's room to the next, a powerful, portable device with a long-lasting battery is more than a nice-to-have. It's a must-have. With the longer battery life of an Intel architecture-based tablet, you can be confident that your medical teams can continue working with vital patient data while making rounds at the hospital or clinic. The Intel Atom™ processor delivers performance that lasts for hours in the thinnest, lightest form factor available in an Intel architecture-based tablet.

Healthcare workers can multitask with ease, with the ability to have multiple screens open simultaneously[2] and power to spare. They can scroll through patient records, watch a video of a CT scan, or share documents during a videoconference with colleagues. They can also complete tasks faster with a more responsive and secure virtual experience.[3]

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 user-friendly touch screen enables healthcare workers to maintain contact with their patients when accessing or recording relevant medical information, improving the experience for both patient and caregiver.

Provide Instant Access to Patient Data

Intel architecture-based tablets deliver instant access to the patient data, reports, and lab results your staff needs. Healthcare workers can get to work quickly with devices that wake in a flash[4] and keep data current[5] at all times, whether they're scrolling through patient records, taking detailed meeting notes with a stylus, or recording video of a medical procedure. And they can

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collaborate across medical specialties to coordinate care for patients with the ability to view images and clinical data side by side, while videoconferencing with peers from other teams.

Intel architecture-based tablets work with the specialized clinical and operational software that your workers depend on, with the added reinforcement of the Windows 8 operating system. This compatibility helps reduce deployment costs while protecting your investments in EHR, imaging, and other clinical systems. And the powerful performance of the Intel Core™ vPro™ processor lets workers run critical healthcare applications locally, or connect more securely to cloud-based electronic records.

You'll also gain compatibility with the existing applications, printers, and peripherals at most hospitals and clinics. Intel architecture-based tablets running the Windows 8 operating system integrate seamlessly into computing environments running the Windows 7 operating system, even allowing users to toggle between the two operating systems and use touch-enabled applications when they want.

Help Prevent Data Breaches and Preserve Compliance

It's critical that the electronic medical records your organization depends on are only accessible by authorized users. Unauthorized access to those records can compromise sensitive patient data and place your healthcare organization at risk of a larger security breach. 4th generation Intel Core vPro processers deliver built-in security[6] that works below the operating system to:

- **Help prevent attacks.** Intel Trusted Execution Technology[7] (Intel TXT) and Intel Virtualization Technology[3] (Intel VT) perform regular security checks to help prevent viruses from entering your network. Intel VT works with McAfee* Deep Defender* to protect against stealthy attacks, while Intel Boot Guard[6] extends safe boot capabilities to your virtual machines.
- **Protect identity and access.** Intel Identity Protection Technology[8] (Intel IPT) with Public Key Infrastructure (PKI) validates when a legitimate user—not malware—is logging into the network from a trusted device; and a "no-password" VPN experience simplifies password management.
- **Defend sensitive data.** Intel Advanced Encryption Standard New Instructions (Intel AES-NI) provides automatic full-disk encryption to encrypt data up to four times faster[9] without slowing performance.
- **Guard mobile assets.** Intel Anti-Theft Technology 4.0[6] automatically disables the tablet locally when it detects a hacking attempt. You can also remotely access and disable a lost or stolen tablet.

Simplify Device Management

In addition to added security, Intel architecture-based tablets give you greater control of mobile device management. Access and manage any device across your organization, and resolve issues through all states of operation, including reboot, with Intel Active Management Technology[1] (Intel AMT). You can also proactively manage threats by pushing security updates before a breach occurs and remotely track and manage thousands of devices with update, disable, lock, wipe, or restore capabilities with McAfee ePolicy Orchestrator* (McAfee ePO*) Deep Command* together with Intel AMT.

And you can manage these tablets using the same management tools you use for other devices on the network that are based on the Windows operating system: Microsoft* System Center Configuration Manager (SCCM). From a single, unified interface, you can access administrative tools to deploy software, protect data, monitor system health, and help enforce compliance across all devices in your healthcare organization.

4th generation Intel Core vPro processors provide comprehensive controls for remote manageability regardless of location, including enhanced keyboard-video-mouse (KVM) remote controls for diagnosing and repairing systems; Intel Setup and Configuration Software for maintaining a secure connection to the managed devices on your network; and the Intel vPro technology module for Windows PowerShell* for customized management with unique scripts.

With Intel architecture-based tablets running the Windows 8 operating system, everything works the way you want it to and, more importantly, the way your healthcare team needs it to.

For More Information

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

- Find the right device for your healthcare organization at intel.com/tabletforbusiness.
- Find more information on Intel in healthcare at intel.com/healthcare.
- Get insight on the impact of consumerization on the enterprise, and find additional IT resources, in the Intel IT Center at intel.com/ITCenter.

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[1] Requires activation and a system with a corporate network connection, an Intel AMT–enabled chipset, and network hardware and software. For notebooks, Intel AMT may be unavailable or limited over a VPN based on a host operating system or when connecting wirelessly, on battery power, sleeping, hibernating, or powered off. Results dependent upon hardware, setup, and configuration. For more information, visit intel.com/amt.

[2] 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.

[3] 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.

[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] 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.

[8] No system can provide absolute security under all conditions. Requires an Intel Identity Protection Technology–enabled system, including a 2nd generation or higher Intel Core processor-enabled chipset, firmware and software, and a participating web site. Consult your system manufacturer. Intel assumes no liability for lost or stolen data and/or systems, or any resulting damages. For more information, visit ipt.intel.com.

[9] 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.

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