Tablet Security

Meet Business Demands with Built-in Security¹ and Performance

Intel® Atom™ Tablets with the Android* Operating System

Android* tablets powered by Intel® Atom™ processors help deliver the security, performance, agility, and speed that companies need in a lightweight form factor.

Tablets running the Android operating system and built with the Intel Atom processor inside provide powerful 64-bit processing that enables business users to multitask quickly and easily. Intel security technologies help protect data and networks from hackers and malware at the device level so that users can enjoy all of the features and capabilities of Android tablets, including stunning visuals—courtesy of Intel HD Graphics and Intel Clear Video HD Technology—and outstanding battery life.

Gain Added Protection for Data and Devices

Security technology embedded within the processor, storage device, graphics, and firmware starts working as soon as the device is powered up and forms a continuous protective shield around the tablet when it’s in use. With advanced security technologies in place, companies can:

- **Protect enterprise data** – Intel Advanced Encryption Standard New Instructions (Intel AES-NI)² enables fast and secure cryptographic applications. The Intel platform supports the hardware and program requirements of the Android for Work program (designed for sensitive enterprise environments) by providing data separation and security on the device.

- **Block unauthorized network access** – Intel Identity Protection Technology with one-time password (Intel IPT with OTP)³ is a built-in security technology that provides hardware-enhanced, seamless web-site user authentication and secure VPN access. A one-time-password hardware token matches authorized users with issued devices and ensures that tablets accessing the company’s VPN are those assigned to employees.

- **Prevent escalation-of-privilege attacks** – Intel Platform Protection Technology with Intel OS Guard⁴ helps protect the device even if an application is compromised. It works on preventing hackers from launching escalation-of-privilege attacks on the operating system. Plus, the Android board support package (BSP) for the Intel Atom processor works with McAfee® Mobile Security software to enable mobile-appropriate device protection.

- **Boot up devices securely** – Secure Boot, a firmware-based solution built to rigid standards, establishes and verifies a trusted state, ensures the integrity of the system, and helps identify and block malware before it takes root in the platform.
Security Designed for the Way Your Business Works

Tablets are quickly becoming an integral part of the mobile business ecosystem. Business-ready Intel Atom processor-based tablets running the Android operating system provide companies with comprehensive protection at the platform, operating system, and application levels without compromising performance. A broad array of Intel security technologies leverage the Android platform to help protect enterprise data, networks, and assets from the malware and cyberthreats that businesses are forced to address on a daily basis. With the added protection of McAfee software solutions, Intel helps make tablets an effective device alternative for businesses with a mobile workforce.

Security Technologies at a Glance

<table>
<thead>
<tr>
<th>Technology</th>
<th>Benefit</th>
</tr>
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<tbody>
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Learn more about business-ready tablets powered by Intel.

¹No computer system can be absolutely secure. Requires an enabled processor, chipset, firmware, and software. Check with your manufacturer or retailer for more information.

²No computer system can provide absolute security. Requires an enabled Intel processor and software optimized for use of the technology. Consult your system manufacturer and/or software vendor for more information.

³No computer system can provide absolute security. Requires an Intel Identity Protection Technology–enabled system, including an enabled Intel processor, enabled chipset, firmware, software, and Intel integrated graphics (in some cases), as well as a participating web site/service. Intel assumes no liability for lost or stolen data and/or systems or any resulting damages. For more information, visit http://ipt.intel.com/. Consult your system manufacturer and/or software vendor for more information.

⁴No 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/go/anti-theft. Consult your system manufacturer and/or software vendor for more information.

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