# Drive your business into the future

HP Wolf Security + AMD Ryzen™ PRO processors: Levels of security

### Evolving threats require innovative solutions.

HP and AMD aren't just protecting your users from today's bad actors—they're looking down the road.

Like a car's parts that work seamlessly together to keep its riders secure, HP PCs with AMD Ryzen™ PRO processors keep data safe so you can work from anywhere without worry.
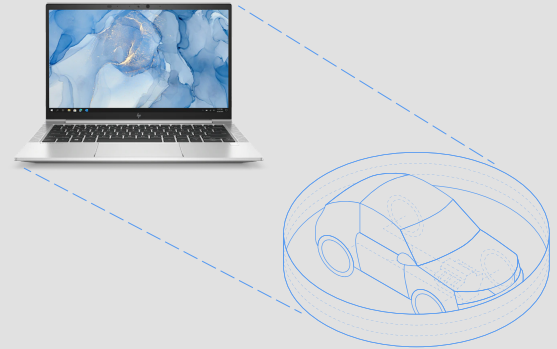
Under the hood
Chipset level

Physical protection
Operating protection

Protection on the go
Preventative security
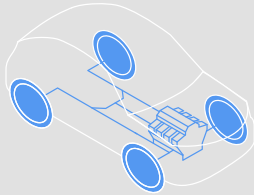
Like the chassis, wheels, and engine of a car, the chipset level provides foundational strength and security. AMD Ryzen™ PRO processors complement HP's multilayered security, extending resilience throughout the PC to constantly defend against evolving threats.

The car locks, alarms, windows, and seat belts secure passengers and defend against outside threats, similar to how HP Wolf Security,[3] AMD Ryzen™ PRO processors, and Microsoft combine efforts to strengthen security within the OS by guarding data from being compromised.

Similar to the way GPS, lane-assist technology, collision avoidance systems, and roadside protection services equip drivers with extra protection, HP's preventative security is complemented by the resilience of AMD Ryzen™ PRO processors to further protect people's PCs in any environment.

Persistent security protection whether a PC's on or off through a hardware-based root of trust (RoT) (HP Endpoint Security Controller).
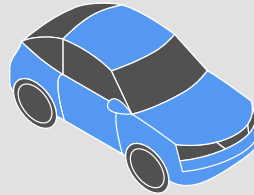
Ensures only trusted firmware code is executed. If a firmware deviation is detected, HP Sure Start[1] will replace the BIOS with a safe copy. A digital signature provides IT admins secure access to the BIOS settings over a network without the need for a password (HP Sure Admin).[2]

Protect data and secure PCs from attackers anywhere (AMD Shadow Stack) and get a dedicated security processor that validates code before it's executed to help ensure data and application integrity (AMD Secure Processor).

Get peace of mind from physical intrusion (HP Tamper Lock)[4] and validate that no unexpected changes occurred during supply chain transportation (HP Platform Certificate).[5]
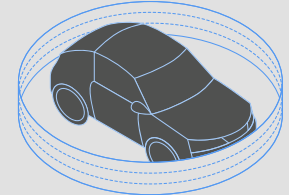
Protect PCs from cold-boot attacks, even in standby (AMD Memory Guard)[6] and keep devices, data, and identities safe from evolving threats (AMD Ryzen™ PRO processors support the Windows Secured-Core PC initiative).

Protect sensitive data with PCs that comply with U.S. government security standards (FIPS 140-3 Certification: Level 1).[7]

Worry less about a lost or stolen PC (HP Wolf Protect and Trace)[8] and help contain threats (HP Sure Click).[9]

Protect PCs from evolving threats with real-time security (HP Sure Sense),[10] including hands-free login and lockout (HP Auto Lock and Awake).

Store recovery images securely on a PC with an optional embedded module (HP Sure Recover with eMMC).

Better together

To succeed in the future of work, you need a leading processor and exceptional levels of security. With HP and AMD, you get a comprehensive approach that can drive your business forward.

Explore our portfolio

Disclaimers

1. HP Sure Start is available on select HP PCs and requires Windows 10 Pro and higher.

2. HP Sure Admin requires Windows 10 or higher, HP BIOS, and HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

3. HP Wolf Security for Business requires Windows 10 or 11 Pro and higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features.

4. HP Tamper Lock must be enabled by the customer or your administrator.

5. HP Platform Certificates are available at the time of hardware purchase. Please contact your HP Sales Representative.

6. Full system memory encryption with AMD Memory Guard is included in AMD Ryzen™ PRO, AMD Ryzen™ Threadripper PRO, and AMD Athlon™ PRO processors. PP-3. Full system memory encryption with AMD Memory Guard is included in AMD Ryzen PRO, AMD Ryzen Threadripper PRO, and AMD Athlon PRO processors. Requires OEM enablement. Check with the system manufacturer prior to purchase. GD-206.

7. HP EliteBooks and ZBooks configured with Ryzen™ PRO processors are certified as FIPS 140-3 (Level 1) compliant.

8. HP Wolf Protect and Trace (WPT) is sold separately and is compatible with select HP 400, 600, 800, 1000 series, Windows based Laptops, select 800 desktops, and Z1 G8 Workstations. The HP WPT features and functions are activated by remote access to the target device and therefore for the desired outcome the device should be powered on and connected to the Internet. HP WPT requires an app to be installed by customer manually via a one-click download at hp.com/active-care, which enables collection of information related to the Device. This app works with a telemetry and

analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access with connection to the HP portal is required. For full system requirements, please visit http://www.hpdaas.com/requirements. Available from your HP authorized sales representative.

9. HP Sure Click requires Windows 10 or 11 Pro or higher. See https://bit.ly/2PrLT6A_SureClick for complete details.

10. HP Sure Sense is available on select HP PCs and is not available with Windows 10 Home.

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