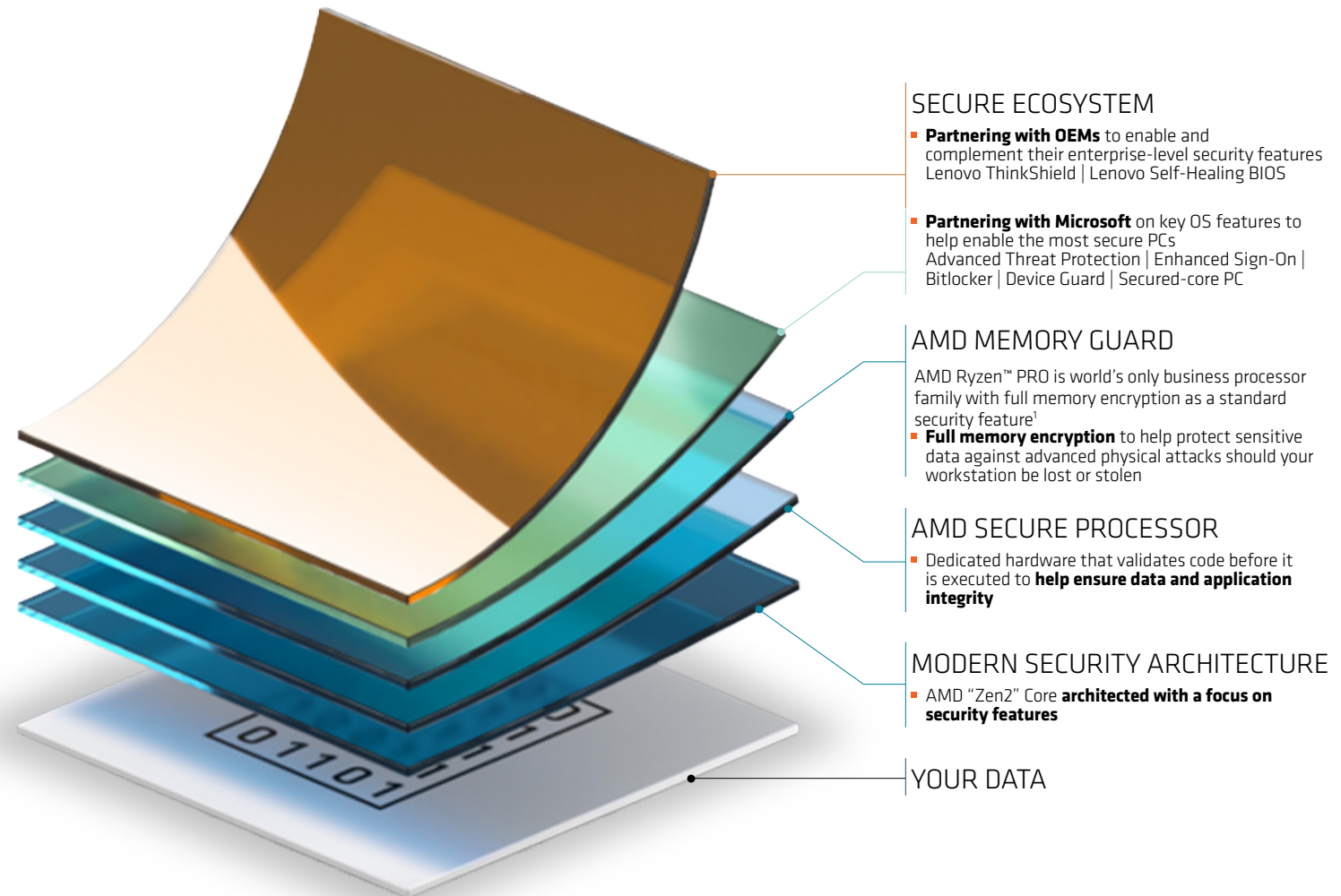


Security Designed In

Through a modern, multi-layered approach to security, AMD processors help protect your sensitive data from today's sophisticated attacks, avoid downtime, and reduce resource drain.



www.amd.com/PROsecurity

¹AMD Ryzen Pro, Athlon Pro, and Threadripper Pro processors include full system memory encryption with AMD Memory Guard. PP-3

	BENEFIT	AMD PRO SECURITY
MEMORY ENCRYPTION	Encrypts memory to help prevent a physical attacker from reading sensitive data on the memory like encryption keys, login credentials and even programs resident in memory.	AMD Memory Guard
SECURE BOOT	Boot protection that helps prevent unauthorized software and malware from taking over critical system functions.	AMD Secure Boot
UEFI SECURE BOOT	Helps prevent malicious code & unauthorized software loading during the system start up process.	AMD Secure Boot
WINDOWS DEFENDER APPLICATION GUARD	Microsoft feature set which helps prevent malicious code from running in OS.	Enabled
VIRTUALIZATION BASED SECURITY	Uses hardware virtualization features to create and isolate a secure region of memory from the normal operating system.	AMD-V
FIRMWARE TPM	A firmware version instead of real hardware which provides authenticity to the platform and helps ensure that there are no signs of security breaches.	AMD Firmware TPM
RANDOM NUMBER GENERATOR	A hardware-based random number generator for cryptographic protocols. Provides cryptographic capabilities.	AMD RNRAND
AES-NI	Helps accelerate encryption protocols and helps protect network traffic (internet and email content) and personal data.	AMD AES-NI
Microsoft Secured-core PCs	Enables you to boot securely, protect device from firmware vulnerabilities, shield the operating system from attacks and prevent unauthorized access to devices and data with advanced access controls and authentication systems	Secured-core PC compatible

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