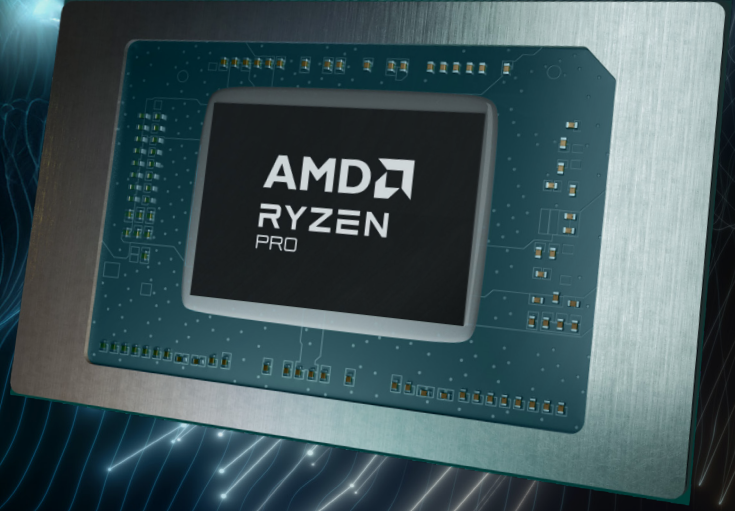




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AMD RYZEN™ PRO 7000  
SERIES PROCESSORS

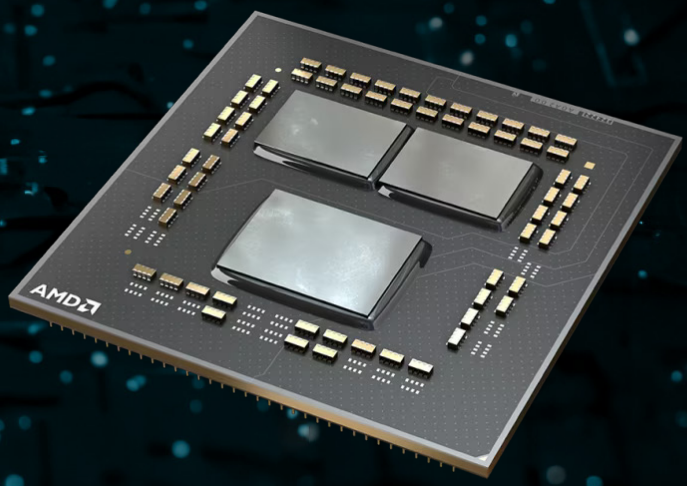
# MULTILAYERED SECURITY TO FORTIFY THE HYBRID WORKFORCE



The rise of remote work could intensify the threat of device theft and cyberattacks.

The **AMD Ryzen™ PRO 7000 Series processor** steps up with a multifaceted defense approach that:

- Blends hardware and software security to meet hybrid work demands.
- Helps equip enterprises for current and future cyberattacks.
- Innovates with each generation to adapt to emerging threats.

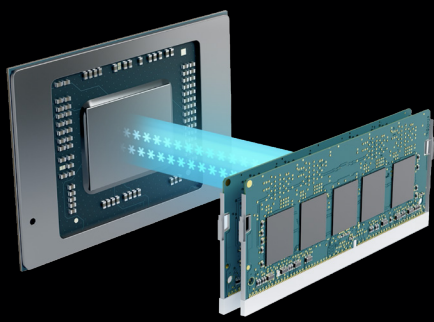


## Integrity and trust

**AMD Secure Processor (ASP)**<sup>1</sup> enhances system integrity from boot-up through continuous operation and a dedicated crypto block ensuring efficient cryptographic processing.

## Complete encryption

**AMD Memory Guard**<sup>2</sup> provides full memory encryption with a random key, safeguarding against physical threats and securing data integrity.



## Unyielding resilience

**AMD Shadow Stack** features return address copy, strengthening system resilience to help protect against control flow attacks.

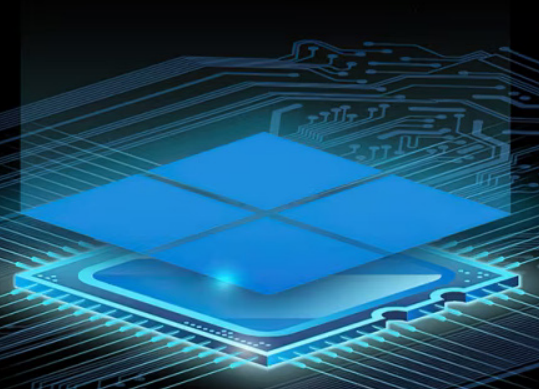


## Robust fortification

**Microsoft Secured-Core PC** protects against malware, shields against tampering, and validates platform integrity, ensuring a fortified defense layer for critical system security.

## Vigilant guardian

**Microsoft Pluton Security Processor**<sup>3</sup> is an embedded secure crypto-processor that safeguards credentials, identities, personal data, and encryption keys from malware and physical attacks.



[Learn More](#)



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1. The AMD Secure Processor is a dedicated on-chip security processor integrated within each system-on-a-chip (SoC) and ASIC (Application Specific Integrated Circuit) designed by AMD. It enables secure boot with root of trust anchored in hardware, initializes the SoC through a secure boot flow, and establishes an isolated Trusted Execution Environment. GD-72.

2. 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.

3. Microsoft Pluton is a technology owned by Microsoft and licensed to AMD. Microsoft Pluton is a registered trademark of Microsoft Corporation in the United States and/or other countries. Learn more at <https://www.microsoft.com/security/blog/2020/11/17/meet-the-microsoft-pluton-processor-the-security-chip-designed-for-the-future-of-windows-pcs/>. Microsoft Pluton security processor requires OEM enablement. Check with the OEM before purchase. AMD has not verified the third-party claim. GD-202.

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