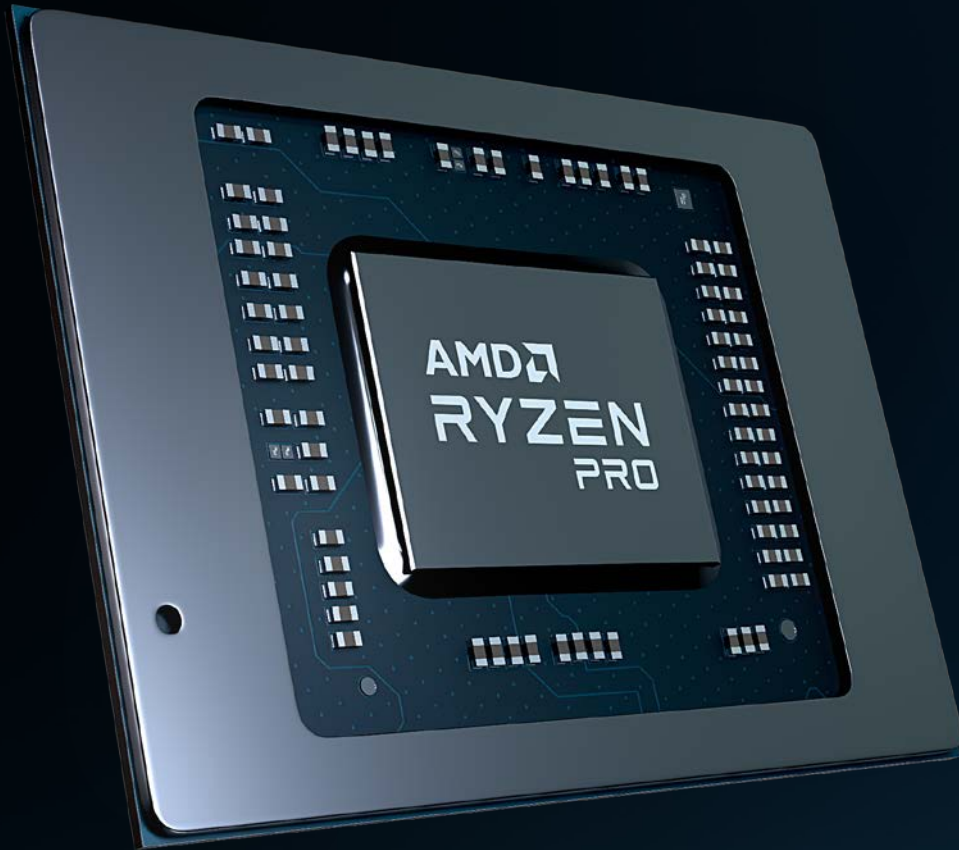# AMD

AMD FOR BUSINESS
RYZEN™ PRO 5000 SERIES MOBILE PROCESSORS

AMD PRO TECHNOLOGIES

AMD PRO SECURITY

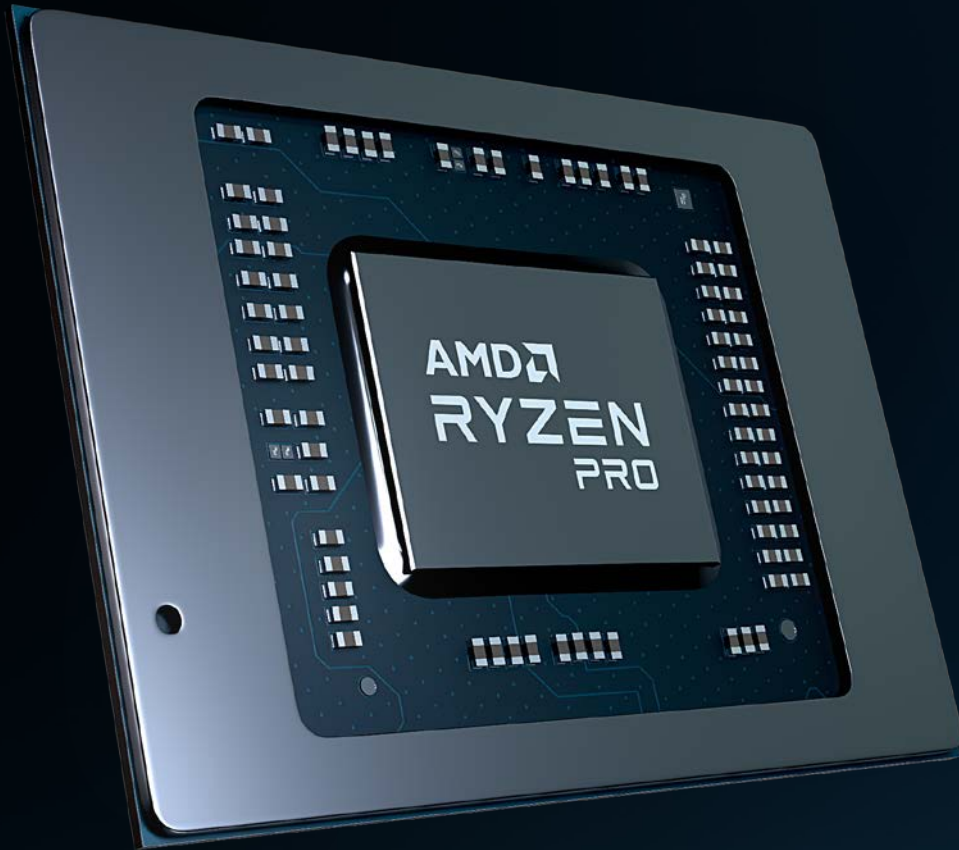Layers of built-in security technology to help protect your sensitive data

AMD PRO MANAGEABILITY

For simplified deployment and management that is compatible with your current infrastructure

AMD PRO BUSINESS READY

18 months of planned software stability brings peace of mind
24 months of planned availability for a stable enterprise

AMD PRO TECHNOLOGIES

AMD PRO SECURITY
Layers of built-in security technology to help protect your sensitive data

AMD PRO MANAGEABILITY
For simplified deployment and management that is compatible with your current infrastructure
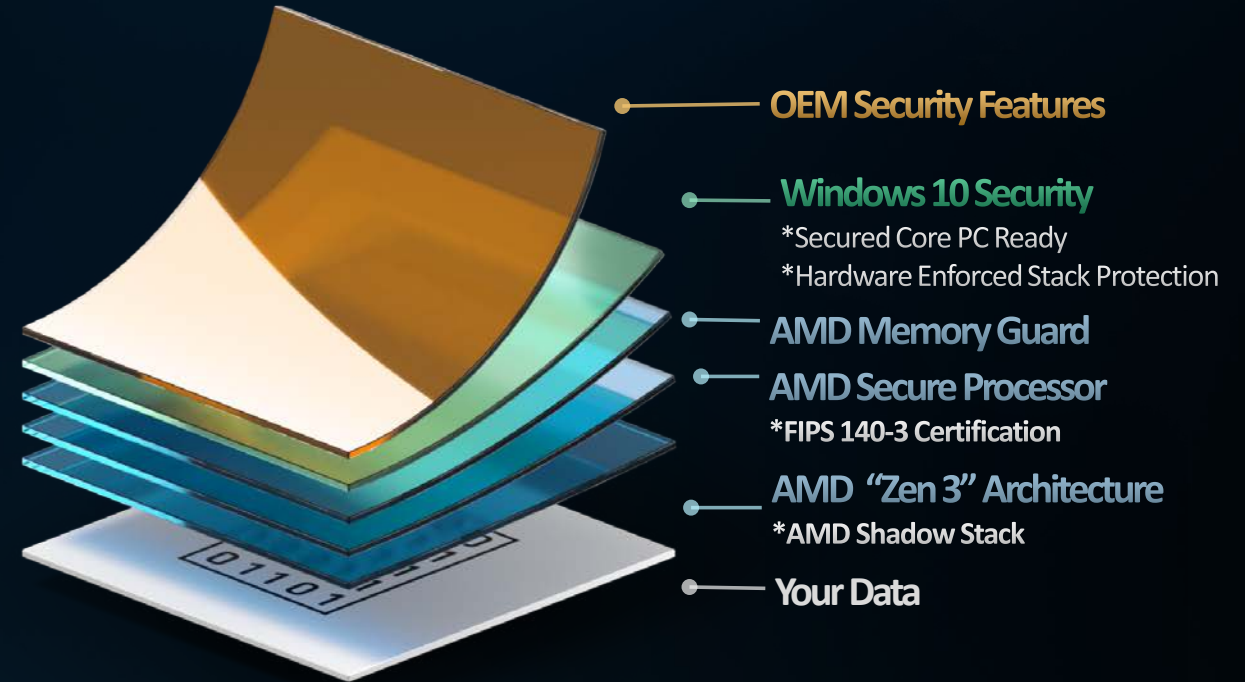
AMD PRO BUSINESS READY
18 months of planned software stability brings peace of mind
24 months of planned availability for a stable enterprise

AMD

STRENGTHENING MULTILAYERED SECURITY

AMD PRO SECURITY

NEW SECURITY FEATURES FOR 2021

▲ **AMD SHADOW STACK**
Hardware enabled protection against malware attacks

▲ **SECURED CORE PC**
Deep integration with MSFT and OEMs to deliver secure Windows PCs

▲ **ENCRYPTION CERTIFICATION (FIPS)**
Gold standard of encryption

OEM Security Features

Windows 10 Security
*Secured Core PC Ready
*Hardware Enforced Stack Protection

AMD Memory Guard

AMD Secure Processor
*FIPS 140-3 Certification

AMD "Zen 3" Architecture
*AMD Shadow Stack

Your Data

Every AMD Ryzen PRO processor delivers the
most modern security solution * through a layered approach

See endnotes CZP-22
FIPS 140-3 Implementation Under Test

AMD

AMD MEMORY GUARD

PCs in the market today are exposed to a data vulnerability via physical attacks.

Only PRO processors from AMD support **full memory encryption*** to help protect data at rest and in transit.

*See Endnotes: PP-3

AMD SHADOW STACK

HARDWARE PROTECTION FROM MALWARE ATTACKS

◢ AMD Shadow Stack delivers a robust security approach to add protection against control-flow attacks

◢ Checks normal program stack against a hardware-stored copy

◢ Enables Microsoft Hardware Enforced Stack Protection as part of a comprehensive set of AMD security features to help secure PCs

AMD◢

LAYERS OF SECURITY FEATURES FROM ECOSYSTEM PARTNERS

AMD works closely with Microsoft and OEMs to enable and complement their enterprise-level security features

HP

HP Sure Start
HP Sure Run
HP Sure Click

Microsoft

Full support for Secured-core PC initiative
Hardware Enforced Stack Protection
Advanced Threat Protection
Enhanced Sign-On
Bitlocker

AMD

AMD "Zen 3" Architecture
AMD Shadow Stack
AMD Memory Guard
AMD Secure Processor

AMD