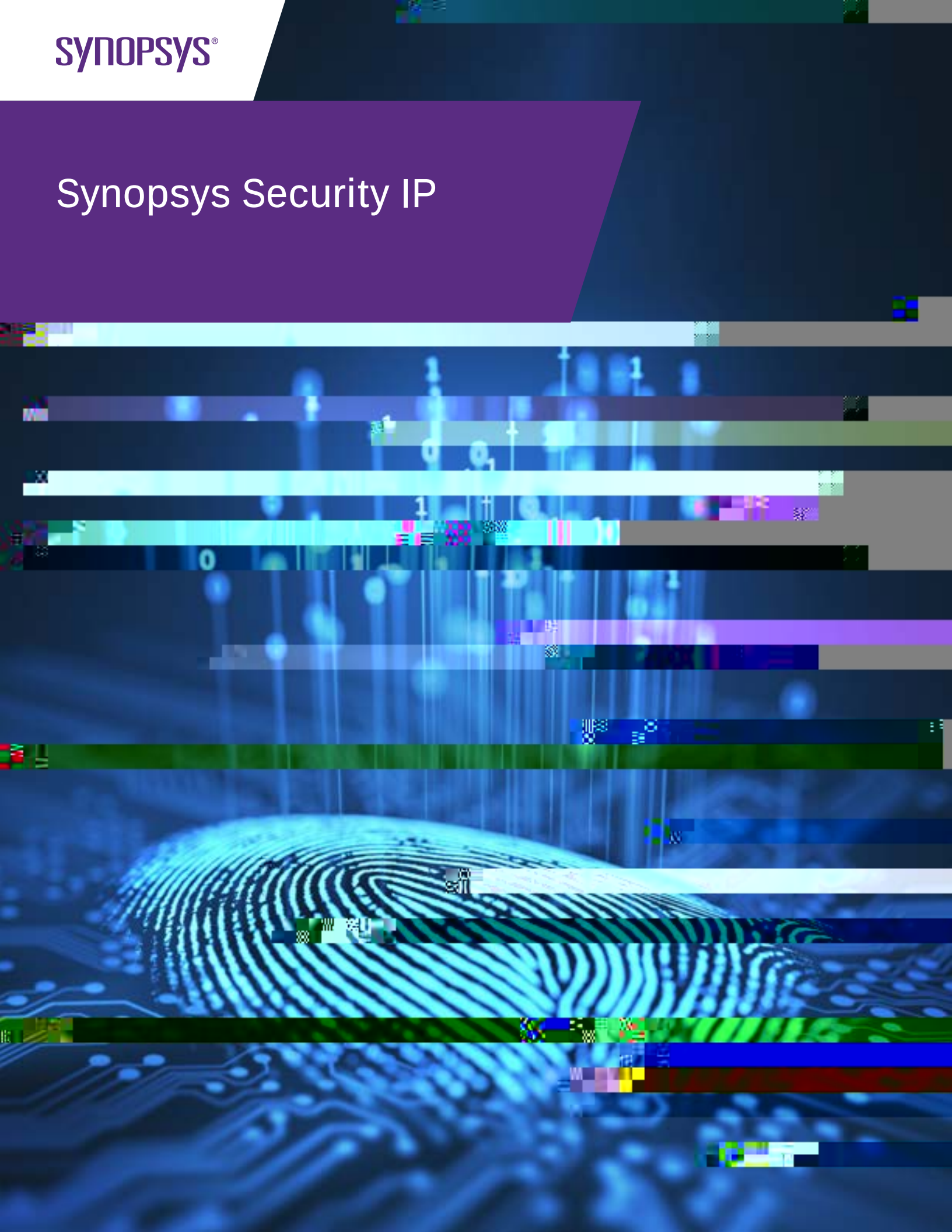
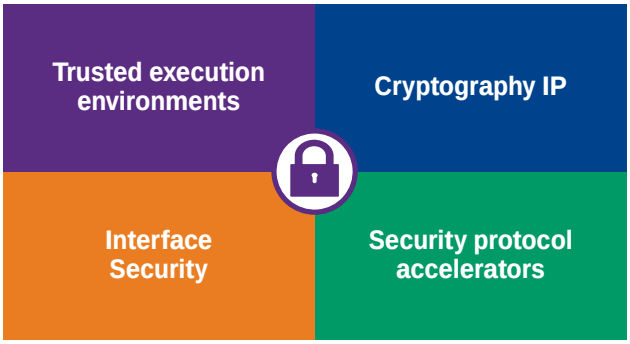
SYNOPSYS®

Synopsys Security IP



Secure Your SoC from the Start

Whether you are developing system-on-chips (SoCs) for mobile and wearables, automotive, artificial intelligence (AI), or entertainment, securing your proprietary data and your customers' information is critical to your company's long-term success. Hackers can exploit vulnerabilities in any part of those systems, at the network, device, or chip levels. Protecting your systems starts with having base security functionality hardened into the SoC to enable the setup of a secure communication environment.



Broad portfolio of certified and standards-compliant IP solutions

Automotive	AI				

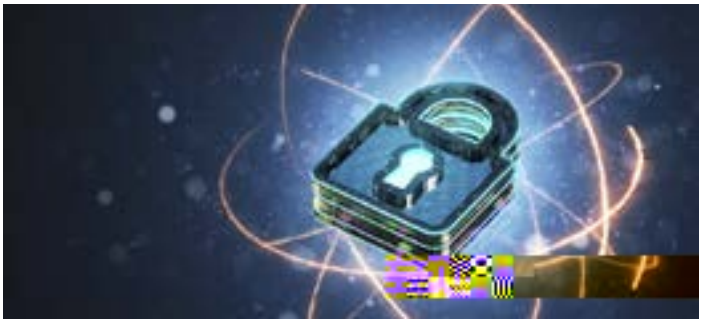
"As security attacks increase and evolve, relying solely on internal development carries too much risk and affects time-to-market.

We use Synopsys Security IP for our autonomous automotive SoC product lines due to Synopsys' deep security expertise and proven, certified technology that supports the features we require."

~VP of ASIC Design, Leading AI Chip Provider

Build a Strong Foundation with Secure Cryptography

> *"With increased demand for data protection against malicious attacks, we needed to develop our storage SSD SoC with strong security based on proven, standards-compliant IP. Synopsys' Security IP enabled us to implement the highest level of security for our SoC."*
>
> ~Sky Shen, CEO of Starblaze



Data Protection Now and in the Future

SoC Design is Critical for Device Security

Protect Data Transfer in SoCs Against Tampering and Physical Attacks

High-Value Digital Content Protection

Ensure Confidentiality of Data Over Memory Interfaces

Protect High-Speed Network Traffic

> *"The IDE cryptographic features in the PCIe 5.0 specification are aligned to industry-standard design requirements and can be flexibly extended as security requirements evolve. By offering the unique combination of interface and security IP for the PCIe 5.0 specification, Synopsys is enabling the design community to quickly implement necessary security functionality into their systems."*
>
> ~Al Yanes, PCI-SIG® Chairman and President

Why Choose Synopsys for Security IP?

1. Proven & trusted in 800+ designs and 1B+ units
2. Highly integrated
3. Recognized technology leadership
4. Demonstrated expertise with standards compliant security solutions

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04/16/24.SNPS1334096884-Security-IP-Brochure-Update-Q224.