CYBELLUM

SUPERMICRO / PRODUCT SECURITY PLATFORM
CUSTOMER CASE STUDY

# SUPERMICRO SOFTWARE SECURITY TEAM STREAMLINES LICENSING AND CYBERSECURITY COMPLIANCE WITH CYBELLUM

A global technology leader committed to delivering innovation for Enterprise, Cloud, AI, and 5G Telco/Edge IT Infrastructure, Supermicro provides a broad range of application-optimized server solutions serving a variety of markets, including cloud computing, data center, enterprise, big data, HPC, AI, 5G, IoT, embedded and edge computing.

With global operations encompassing over 100 countries, Supermicro works closely with their technology partners to deliver the latest generation of cutting-edge solutions across server, storage, and networking platforms.

Supermicro's continued growth and success required the software security team to scale up their security

## THE CHALLENGE

Supermicro's software security team is responsible for testing Supermicro's software and firmware products, including a wide variety of motherboard products. These needed to be compliant with today's top safety and security standards across the variety of industries Supermicro work with from medical to automotive and semiconductor.

The team was using a variety of source code scanning tools and were dependent on the development team and external third-party- providers to do so. To push the software security coverage boundary even further, the team decided to include a complete list of open-source and third-party licenses, or all relevant vulnerabilities, directly from the final compiled firmware that today's customers require as part of a compliant SBOM.

Another issue was the high number of false positives that didn't actually impact the final product, adding to both the security and development teams' already-heavy workload.

A need to be compliant with today's top safety and security standards

A variety of source code scanning tools

A dependency on the development team and 3rd parties for open source licensing and vulnerability data

A high number of false positives

**"We needed a solution that cuts down on the noise. Simply scanning the source code left us with a long list of results that we didn't need. We needed real-time, actionable data about our compiled products, that we could use to ensure security and compliance."**

SUPERMICRO

## THE CYBELLUM SOLUTION

Having tested a number of solutions, Supermicro found Cybellum's Product Security Platform provided the team with the speed and accuracy that they needed.

Cybellum provided the solution Supermicro's software security and development teams needed to quickly scan their firmware, generate accurate SBOMs for their customers, and detect any security or compliance risks, to ensure that they were mitigated early in the process.

Automating security and compliance testing and integrating them into development, helped to streamline processes and communication between the security, development, and compliance teams, and enabled both teams to save valuable time, and speed up SBOM generation.

## OUTCOMES: COMPREHENSIVE AND ACCURATE CYBERSECURITY AND LICENSE COMPLIANCE

Cybellum's capabilities allowed Supermicro's team, along with the development team, to speed up and scale security and license compliance, without slowing down development.

Cybellum's platform, helped the software security team integrate compliance and security testing into the software development process, and enabled them to:

Save time by eliminating false positives

Easily generate a real-time, accurate SBOM, including versioning and open-source licenses

Manage open-source license compliance

Ensure compliance with top global standards across industrial, medical, and automotive industries

Streamline cybersecurity and compliance processes by integrating automated policies into development

Speed-up time-to-remediation by detecting vulnerabilities throughout the development process and using Cybellum's mitigation recommendations

## ABOUT CYBELLUM

Cybellum enables device manufacturers to make their products secure for life. Industry leaders use Cybellum's product security platform to manage cyber risk and compliance continuously, throughout the entire product lifecycle. From continuously updated SBOMs, to automated vulnerability management, and ongoing incident response, teams can ensure their entire product portfolio is secure by design, and stays that way.