# NoLoad® Cryptographic Accelerator

Overview

NoLoad Cryptographic Accelerator provides resiliency in infrastructure and plays a crucial role in protecting against Denial of Service (DoS) attacks and securing servers deployed in hostile environments.

Features

- TLS 1.3 Support
- ECDSA/ECDH(E)/RSA
    - *P-256 & X25519*
- Key Management
    - *Secure Key Import/Export/Rotate*
- Side-Channel Resistant
- OpenSSL, NGINX, and Apache integration
- Cryptographic Agility
- Post Quantum Cryptographic Support
    - ML-KEM (FIPS203)
    - ML-DSA (FIPS204)
- True Random Number Generator
    - *NIST SP 800-22/SP 800-90B*
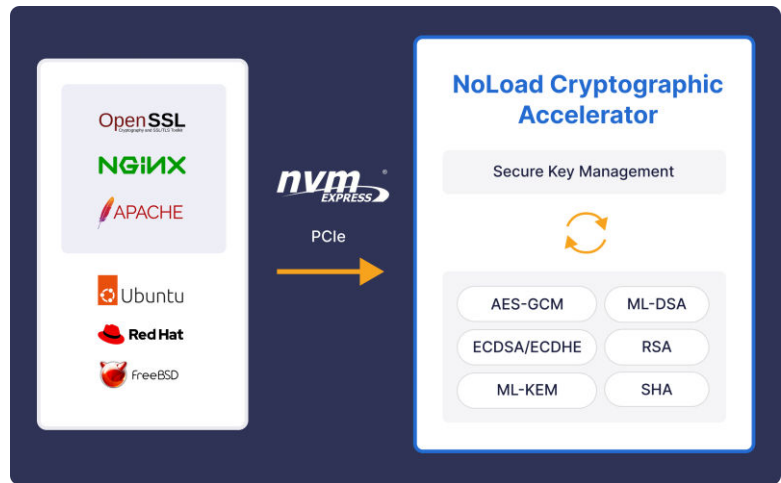
Performance

- Available under NDA

Deliverables

Host SW

- Seamless plug-and-play integration with OpenSSL, NGINX, and Apache
- OpenSSL engine and provider

Documentation

- Detailed datasheet including an integration guide

Management

- NVMe-MI support for system level administration
- NVMe log pages and administrative support including firmware updates