



## SOLUTION BRIEF

# Hillstone Networks' CloudEdge Integrates with Array's Network Functions Platform for Advanced Threat Protection

Deploy the CloudEdge virtual NGFW on the Array AVX network functions platform for a high-performance, resilient and flexible security platform.

## Advanced Threat Protection

Sophisticated, targeted advanced threats and attacks, such as ransomware, have become the biggest threats to businesses and other organizations worldwide. Security solutions such as Next-Generation Firewalls (NGFWs) are increasingly being adopted for the comprehensive defense capabilities that they provide.

Meanwhile, businesses are increasingly deploying networking and security functions as virtual appliances to drive scalability and reduce administrative overhead and cost. Virtual licenses are typically portable, and can be remotely provisioned on-demand. Additional licenses require only a software upgrade. There are ancillary benefits, such as reduced costs for space, power and cooling. However, despite these advantages, agility comes at the expense of performance, especially in workloads that demand high compute and security resources.

The joint solution from Hillstone Networks and Array Networks brings together the robust security benefits of the Hillstone CloudEdge Virtual Next Generation Firewall with the agility and performance of the Array Network Functions Platform to address today's challenges with advanced threat protection that is both scalable and cost-effective.

## Security, Agility & Performance

Hillstone's CloudEdge, embedded with the Hillstone Networks StoneOS operating system, is deployed as a virtual machine, and provides advanced security services for applications and users in any virtualized environment. It provides comprehensive security features including granular application identification and control, intrusion prevention, anti-virus, attack defense and a cloud-sandbox to keep businesses fully secure and operational. It provides price-performance solutions for both public and private cloud customers, and can be rapidly provisioned and deployed at scale.

The Array AVX Series network functions platform provides guaranteed performance for virtualized network functions through dedicated CPU, SSL, memory and I/O resources. The AVX Series is an open platform that supports Array



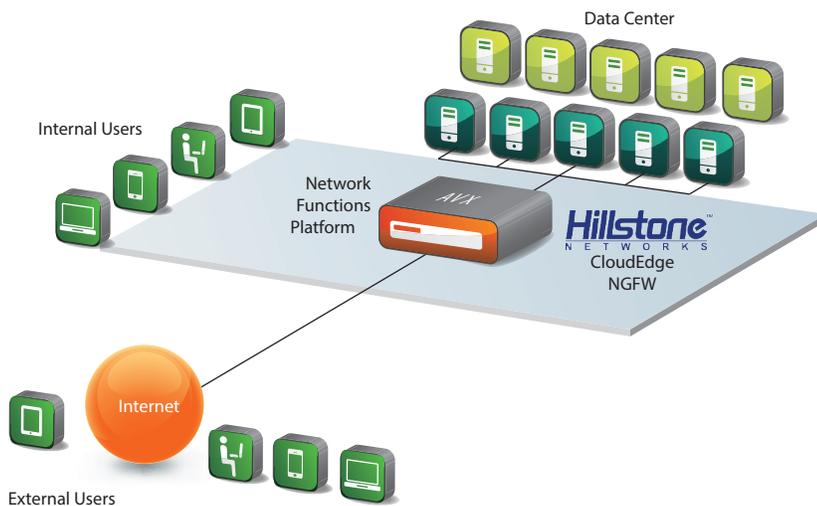
virtual ADC and SSL VPN functions, as well as 3rd-party virtual appliances such as Hillstone CloudEdge. Together, this integrated solution delivers all the benefits of both platforms, without compromising performance.

## Hillstone and Array: Virtualized Security and Availability that Performs at Hardware Speed

By deploying Hillstone CloudEdge on the Array AVX series, businesses gain the same robust features and benefits of the Hillstone hardware NGFW in virtualized and cloud environments. CloudEdge performance equals that of a dedicated hardware appliance, while costs are greatly reduced.

Uniquely capable of assigning CPU, SSL, memory and interface resources per VNF/VA, the AVX Series network functions platform provides guaranteed performance for Hillstone CloudEdge, in contrast to common hypervisors in virtual environments. In addition, AVX provides high scalability for CloudEdge, allows a pay-as-you-grow license model, and abstracts the complexity of network functions virtualization to streamline deployments. The CloudEdge and AVX Series combination offers a stable and flexible virtualized data center solution without the risk of performance compromise.

Hillstone CloudEdge and Array's vAPV virtual application delivery controller, vxAG SSL VPN and other products, as well as other third-party networking and security products, can be deployed as a service chain on an AVX platform. In addition, users can choose from a variety of services such as cloud sandbox, secure remote and mobile access, link and server load balancing, VPN, SSL traffic decryption, URL filtering, and anti-DoS/DDoS, which are all best-of-breed and field-tested by customers in a broad range of industries.



## CloudEdge Benefits

- Industry leading advanced threat protection capability
- Highly compatible with virtual environments
- Easy to deploy and configure
- Elastic and high performance

## AVX Series Benefits

- Provides automatic deployment of Hillstone CloudEdge
- Provides the agility of virtualized appliances with the performance of dedicated appliances
- Abstracts complexity to streamline NFV deployments
- Supports a wide range of adjacent and complementary network and security functions
- Guaranteed performance through dedicated CPU, SSL, memory and I/O; separate hypervisor resources

## vAPV Virtual ADC Benefits

- Industry-leading performance and cost per SSL TPS for 2048-bit SSL
- Customizable application traffic management without impacting performance or scalability
- 99.999% application availability, and up to 5x application acceleration

For more information on how Hillstone Networks CloudEdge can protect your enterprise from ever-evolving threats, visit [hillstonenet.com](http://hillstonenet.com) or email [inquiry@hillstonenet.com](mailto:inquiry@hillstonenet.com). For more information about how Array Networks can help you consolidate network and security functions, and assure performance of critical applications, visit us at [arraynetworks.com](http://arraynetworks.com) or send us an email at [sales-info@arraynetworks.com](mailto:sales-info@arraynetworks.com).