

Hillstone Security Management Platform for SD-WAN



Hillstone Security Management (HSM) platform for SD-WAN⁽¹⁾ provides the first dedicated SD-WAN controller, manager and orchestrator for Hillstone's security and app delivery solutions. By incorporating key capabilities of the existing HSM platform, HSM for SD-WAN offers advanced SD-WAN capabilities, including application-aware path selections, simplified configuration, management and deployment, rapid business workflow orchestration, and deep network visibility.

Product Highlights

Simplified Orchestration with VPN Overlay Automation

By building templates for configurations and policies, HSM for SD-WAN automates establishment of the VPN overlay network with support of numerous transports for IPsec tunnels and a variety of architectures, including hub-and-spoke (single and dual hub) and mesh topology (full mesh and partial mesh). It also allows you to simply orchestrate and deploy the business workflow from a new branch office to the headquarter or to any public cloud with a few simple clicks.

Intelligent Routing With Application Awareness

Hillstone leverages high network visibility, various supported transports and StoneOS's application awareness capability to enable application performance optimization. Hillstone's SD-WAN solution ensures an optimum user experience by intelligently steering traffic based on the apps or services, the policies enforced, and the dynamic status of transport. It natively supports ECMP with link load balancing and active-passive failover for high availability.

Zero-Touch Provisioning

HSM for SD-WAN possesses a central management system that allows you to preconfigure settings necessary for zero-touch provisioning to occur, which include upgrading firmware, installing licenses, and deploying policies. It enables quick bring-up of devices in field deployment without introducing any configuration errors, which could significantly reduce configuration overhead, speed up delivery of services and increase reliability, especially in large-scale deployments.

Centralized Device Management and Configuration

HSM for SD-WAN expands the capabilities of network administration with rich tools and data in a single console to centrally manage up to 3,000 devices. It supports the configuration of device information, system status, signature databases, and firmware upgrades, while tracking said configurations through comprehensive logs for review and auditing.

Product Highlights (Continued)

Deep Network Visibility with Dynamic Health Monitoring

HSM for SD-WAN consolidates dynamic device health status with underlay and overlay network quality such as delay, jitter, packet loss, etc. The iconic full-screen dashboard with a view of global distribution of devices, rich real-time status and alarms, and statistical information, makes daily operation far more efficient. It provides not only real-time alarms through webUI, email or social apps, but also brings enhanced data analytics for transport availability and statistics of historical data for further troubleshooting and optimization.

Fully Integrated Security

Hillstone SD-WAN solution brings centralized security policies and consistent network segmentation across the entire infrastructure. The HSM SD-WAN solution also leverages the advanced Hillstone NGFW platform that natively integrates intrusion prevention, attack defense, malware protection, and URL filtering capability to provide perimeter protection for organizations of all sizes. It supports Hillstone's A-Series, E-Series, E-Pro Series and X-Series NFWs as well as Hillstone CloudEdge virtual NGFW as its manageable devices.

Specifications

HSM for SD-WAN Appliance Specification

	HSM-P100	HSM-P3000
Devices Supported (Default / Max.)	0 / 100	0 / 3000
Storage	SATA:2T	SSD:480G*2, SATA:8T*3
Network Interfaces	2* GE	6* GE
RAID	RAID 0	RAID 5
Power Supply	Single, 250W	Dual, 750W
Form Factor	1RU	2RU

Recommended Hardware Configuration for vHSM-P

Devices Supported (Default / Max.)	0 / 100	0 / 500	0 / 1000	0 / 3000
vCPU Requirement	8	16	24	16 (Hyper-Threading)
Memory Requirement	16 GB	32 GB	64 GB	128 GB
Port Requirement	2 ports	2 ports	2 ports	2 ports
Hard Disk Requirement (Min.)	250 GB	250 GB	250 GB	250 GB
Virtual Environment Requirement	Vmware Workstation/ ESXi (6.5 or above)/ KVM (virtmanager 1.5.3 or above)/ AWS/ Huawei Cloud/ Alibaba Cloud			

NOTES:

(1) HSM for SD-WAN currently are only available for HSM 5.X release.