

# Hillstone Extension Modules

Hillstone extension modules can be installed in SG-6000 modularized products. Currently, three kinds of pluggable hardware modules are supported: interface module, application processing module and storage module. The modularized solution can extend Hillstone new-generation device in 3 aspects: interface, performance and storage capacity, and in turn protects customers' investment. Interface modules enhance the connectivity of the device; application processing modules increase the security processing capability of the appliance; storage modules store logs and statistics at real time.

## Characteristics

### Interface modules

Hillstone supports gigabit and 10-gigabit interface modules. With interface modules, the device will not be obsolete when the network or bandwidth grows. Customers' investment can be sufficiently protected. Besides, Hillstone supports gigabit Bypass Ethernet interface modules, which can improve the Network connectivity by the greatest degree. During equipment malfunction or power failure, Bypass interfaces will work under bridge mode to connect the network, keeping it running normally. After recovering from failure, the module will switch back to the normal working mode automatically.





### Application processing modules

Hillstone Application processing modules deal with AV process independently and improve the AV capacity and device performance. The performance of the appliance is extended. Managed with StoneOS seamlessly, the management cost is decreased.



### Storage modules

Hillstone storage modules store logs in real time, including NBC logs, NAT logs, Web surfing logs, etc. The localized storage solution does not need external Syslog servers, decreasing investment and management cost.


## Interface Modules

Index	IOC-2XFP	IOC-8SFP	IOC-8GE	IOC-4GE-B
				
Internet interfaces	2-port 10-Gigabit XFP Ethernet I/O module	8-port Gigabit SFP Ethernet I/O module	8-port Gigabit Ethernet I/O module	4-port Gigabit Ethernet I/O module (Bypass)
Dimensions	1U (2 slots)	0.5U (1 slot)	0.5U (1 slot)	0.5U (1 slot)
Weight	1 kg	0.9kg	0.8kg	0.8kg
Operating temperature	0-40°C			
Operating humidity	10-95% (non-condensing)			
Supported platforms	SG-6000-G5150	SG-6000-G5150/G3150/G2120/G2110		

## Application Processing Module

Index	FEC-AV-60	FEC-AV-30
		
AV throughput <sup>(1)</sup>	1.8Gbps	900Mbps
Dimensions	1U (2 slots)	
Weight	1kg	
Operating temperature	0-40°C	
Operating humidity	10-95% (non-condensing)	
Supported platforms	SG-6000-G5150	SG-6000-G3150/G2120
Max. No. per device	1 piece	1 piece

## Storage Module

Index	FEC-HD-160
	
Storage capacity	160GB
Dimensions	0.5U (1 slot)
Weight	1kg
Operating temperature	0-40°C
Operating humidity	10-95% (non-condensing)
Supported platforms	SG-6000-G5150/G3150/G2120/G2110
Max. No. per device	1 piece

## Ordering Information

SKU	Product Name and Spec	Description
<b>Module</b>		
IOC-8GE	8xGE interface module	8-port Gigabit Ethernet I/O module
IOC-8SFP	8xSFP interface module	8-port Gigabit SFP Ethernet I/O module
IOC-4GE-B	4xGE interface module (Bypass)	4-port Gigabit Ethernet I/O module (Bypass)
IOC-2XFP	2xXFP interface module	2-port Gigabit XFP Ethernet I/O module
FEC-AV-60	AV-60 application processing module	AV-60 application processing module
FEC-AV-30	AV-30 application processing module	AV-30 application processing module
FEC-HD-160	160G storage module	160G storage module

Unless otherwise stated, the performance, capacity and characters listed here are based on StoneOS<sup>®</sup> version 4.0. The real results may differ depending on StoneOS<sup>®</sup> version and deployment environment.  
NOTE: (1) AV throughput is benchmarked using HTTP traffic with attachments