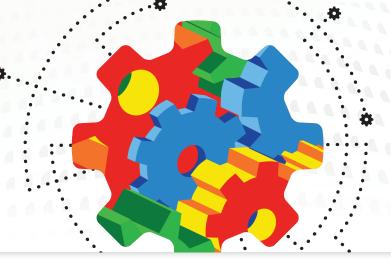# Sourcefire® 8000 Series Appliances

PERFORMANCE MEETS FLEXIBILITY

8000 Series appliances offer:

- Integrated fail-open/bypass interfaces
- Integrated fail-closed/non-bypass interfaces
- LCD management interface
- Serial over ethernet console access
- Solid state disk drives
- Redundant, hot-swappable power supplies

firePOWER™

Finding a security appliance with exactly the right throughput and interface options for your network is hard enough. Even if you find the perfect match for your requirements now, it's tough to plan for what you'll need in the future—especially while working within today's budget.

Introducing the 8000 Series Appliances from Sourcefire

The 8000 Series appliances marry an extensible platform with the industry's fastest and most accurate security to fit into your network today and in the future.

Unprecedented Performance

At the heart of the new FirePOWER™ 8000 Series appliances lies purpose-built breakthrough acceleration technology, providing market-leading performance with greater space and energy efficiency.

	SOURCEFIRE 8260	NEXT-CLOSEST COMPETITOR
NSS Labs-tested, Real-world Throughput	34Gbps	11.5Gbps
Price/Mbps-Protected	$15	$33
Annual Energy Cost/Mbps	$0.04	$0.06
Gbps/Rack Unit	8.5Gbps	2.9Gbps

Source: NSS Labs Network IPS Individual Product Test Results, Sourcefire 3D8260 IPS Appliance, April 2012; and NSS Labs Network IPS Group Test, Q4 2010.

Sourcefire FirePOWER appliances set the industry benchmark for threat detection effectiveness, inspected throughput, and value as measured by NSS Labs. Continuing its leadership in this area, the new FirePOWER 8300 appliances deliver a 50% increase in inspected throughput over our market-leading 8200 Series—up to 60Gbps—and are stackable to 120+Gbps of throughput!

Flexibility for growth

Adaptive Architecture

The 8000 Series appliances are built on a flexible, enterprise security architecture with the capability to run the security solutions that are required to deal with today's evolving threat landscape. These appliances can be deployed as a standalone Next-Generation **Intrusion Prevention System (NGIPS)**, a **Next-Generation Firewall (NGFW)**, or an **Advanced Malware Protection (AMP)** system.

With the added ability to run these security solutions together on a single appliance, you've just future-proofed your security investment. As your network and security needs change, so will the type of protection that the FirePOWER architecture facilitates.

Easily Change Interface Configuration

Instead of the usual fixed port configuration of most high-end security appliances, the modularity of the 8000 Series appliances enables you to choose and change the number and type of interfaces for the appliance. Various Network Modules (NetMods) are inserted into the 8000 Series appliances to customize the interface configuration to match your network requirements. Non-bypass NetMods, useful in passive or fail-closed deployments, and NetMods with integrated fail-open/bypass capabilities (useful in inline deployments) are available in the following options:

INTEGRATED FAIL-OPEN/ BYPASS NETMODS	NON-BYPASS NETMODS
1Gbps 4 port copper	1Gbps 4 port copper
1Gbps 4 port fiber	1Gbps 4 port fiber
10Gbps 2 port fiber SR	10Gbps 4 port fiber SR
10Gbps 2 port fiber LR	10Gbps 4 port fiber LR
40Gbps 2 port fiber SR40	

This approach gives you a low entry price and a simple upgrade path. For those needing 1Gbps copper ports today, but have a 10Gbps fiber migration path in the future, this modular approach gives you the option to simply swap out a NetMod and have exactly what you need to fit your network at all times. With up to seven NetMod slots per chassis, the 8000 Series appliances offer industry-leading port density.

Boost Throughput up to 4x

The 8000 Series appliances offer additional flexibility to grow with your network throughput demands by stacking.

- **8140:** Stack two of these appliances to double throughput
- **8250:** Stack up to four appliances to grow inspected throughput performance in 10Gbps increments—delivering up to a total of 40Gbps of IPS inspection
- **8350:** Stack up to four appliances to grow in 15Gbps increments topping out at 60Gbps of inspected throughput

With flexible options like these, you can rest easy knowing that your investment is protected for the long-term.

FirePOWER 8300 Series

Increasing bandwidth and inspection needs require higher performance appliances to address advanced threats on the network.

With the FirePOWER 8300 Series appliances Sourcefire extends its performance leadership to address the network security needs of the highest capacity data centers and enterprise edge deployments.

The 8300 Series, like all FirePOWER appliances, can be deployed to run the NGIPS, NGFW and AMP solutions separately or in combination with each other. Its energy and rack-space efficiency is the same as the 8200 Series and it uses the same Network Modules (NetMods) to better tailor the appliances to your environment.

All FirePOWER 8000 Series appliances offer:

- **LCD management interface**
- **Serial over Ethernet console access**
- **Solid state disk drives**
- **Redundant, hot- swappable power supplies**

To learn more about any of the FirePOWER appliances, visit us at www.sourcefire.com or contact Sourcefire or a member of the Sourcefire Global Security Alliance™ today.

FirePOWER 8300 Appliances

MODEL	8350	8360	8370	8390
Performance and Functionality				
IPS Throughput	15Gbps	30Gbps	45Gbps	60Gbps
Model Throughput	30Gbps	60Gbps	90Gbps	120Gbps
Modular Interfaces	Up to 7 modules in any combination	Up to 6 modules in any combination	Up to 5 modules in any combination	Up to 4 modules in any combination
Monitoring Interfaces (Configurable Bypass)	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR
Monitoring Interfaces (Non-Bypass)	(4) 1Gbps copper; (4) 1Gbps fiber; (4) 10Gbps SR; (4) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (4) 10Gbps SR; (4) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (4) 10Gbps SR; (4) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (4) 10Gbps SR; (4) 10Gbps LR
Management Interfaces	RJ45	RJ45	RJ45	RJ45
Management Interface Speed	10/100/1000	10/100/1000	10/100/1000	10/100/1000
Typical Latency	‹150 microseconds	‹150 microseconds	‹150 microseconds	‹150 microseconds
Memory (RAM)	128GB	256GB	384GB	512GB
Lights Out Management	Yes	Yes	Yes	Yes
Stackable	Up to 3 stacking kits can be added for a total stack size of four—60Gbps IPS	Up to 2 stacking kits can be added for a total stack size of four—60Gbps IPS	1 stacking kit can be added for a total stack size of four—see 8390 for details	Fully stacked. No further expansion possible.
FirePOWER™	Yes	Yes	Yes	Yes
Dual Power Supplies	Yes	Yes	Yes	Yes
Hard Drives	Solid State	Solid State	Solid State	Solid State
Cooling Fans	6	12	18	24

FirePOWER 8200 Appliances

MODEL	8250	8260	8270	8290
Performance and Functionality				
IPS Throughput	10Gbps	20Gbps	30Gbps	40Gbps
Model Throughput	20Gbps	40Gbps	60Gbps	80Gbps
Modular Interfaces	Up to 7 modules in any combination	Up to 6 modules in any combination	Up to 5 modules in any combination	Up to 4 modules in any combination
Monitoring Interfaces (Configurable Bypass)	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR
Monitoring Interfaces (Non-Bypass)	(4) 1Gbps copper; (4) 1Gbps fiber; (4) 10Gbps SR; (4) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (4) 10Gbps SR; (4) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (4) 10Gbps SR; (4) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (4) 10Gbps SR; (4) 10Gbps LR
Management Interfaces	RJ45	RJ45	RJ45	RJ45
Management Interface Speed	10/100/1000	10/100/1000	10/100/1000	10/100/1000
Typical Latency	‹150 microseconds	‹150 microseconds	‹150 microseconds	‹150 microseconds
Memory (RAM)	48 GB	96 GB	144 GB	192 GB
Lights Out Management	Yes	Yes	Yes	Yes
Stackable	Up to 3 stacking kits can be added for a total stack size of four—40Gbps IPS	Up to 2 stacking kits can be added for a total stack size of four—40Gbps IPS	1 stacking kit can be added for a total stack size of four—see 8290 for details	Fully stacked. No further expansion possible.
FirePOWER™	Yes	Yes	Yes	Yes
Dual Power Supplies	Yes	Yes	Yes	Yes
Hard Drives	Solid State	Solid State	Solid State	Solid State
Cooling Fans	6	12	18	24

FirePOWER 8100 Appliances

MODEL	8120	8130	8140
Performance and Functionality			
IPS Throughput	2Gbps	4Gbps	6Gbps
Model Throughput	4Gbps	8Gbps	10Gbps
Modular Interfaces	Yes—Up to 3 modules in any combination	Yes—Up to 3 modules in any combination	Yes—Up to 3 modules in any combination
Monitoring Interfaces (Configurable Bypass)	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR
Monitoring Interfaces (Non-Bypass)	(4) 1Gbps copper; (4) 1Gbps fiber; (4) 10Gbps SR; (4) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (4) 10Gbps SR; (4) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (4) 10Gbps SR; (4) 10Gbps LR
Management Interfaces	RJ45	RJ45	RJ45
Management Interface Speed	10/100/1000	10/100/1000	10/100/1000
Typical Latency	‹150 microseconds	‹150 microseconds	‹150 microseconds
Memory (RAM)	24 GB	24 GB	24 GB
Lights Out Management	Yes	Yes	Yes
Stackable	No	No	1 stacking kit can be added for a total stack size of two—12Gbps IPS
FirePOWER™	Yes	Yes	Yes
Dual Power Supplies	Yes	Yes	Yes
Hard Drives	Solid State	Solid State	Solid State
Cooling Fans	10	10	10

* Exact network performance experienced will vary depending on conditions outside of the control of Sourcefire, including the protocol mix and average packet size inspected. While IPS throughput is stated here, please note that these appliances can also be deployed as NGFW and AMP devices.

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