Data sheet

HP TippingPoint Next-Generation Firewall

Simple. Reliable. Effective.

- Advanced security protection, with over 7,400 filters, blocks vulnerabilities without impacting network performance
- Developed on HP TippingPoint Next Generation Intrusion Prevention System (NGIPS) engine with a 99.99999 percent network uptime track record
- Gain broader visibility and granular control over authorized and unauthorized applications running on your network
- Enhanced and flexible policy setting reduces operational expenses and enables a consistent security posture across your HP network security devices
- Industry leading, weekly DVLabs threat protection services helps ensure you're protected from the latest threats and attacks

Overview

The evolving threat landscape is a security risk to networks and data centers everywhere. Organizations are losing network visibility and control, as attacks become more sophisticated across application, device, and data threat vectors. Customers are concerned with enabling productivity without compromising the data that matters—both inside and outside the organization.

HP TippingPoint Next-Generation Firewall (NGFW) enables you to take back control and proactively improve your organization's security posture, without compromising network availability. This new product line is developed on the proven HP TippingPoint NGIPS engine and delivers reliability, security effectiveness, ease-of-use, and application visibility and control to address today's advanced threats.

Features and benefits

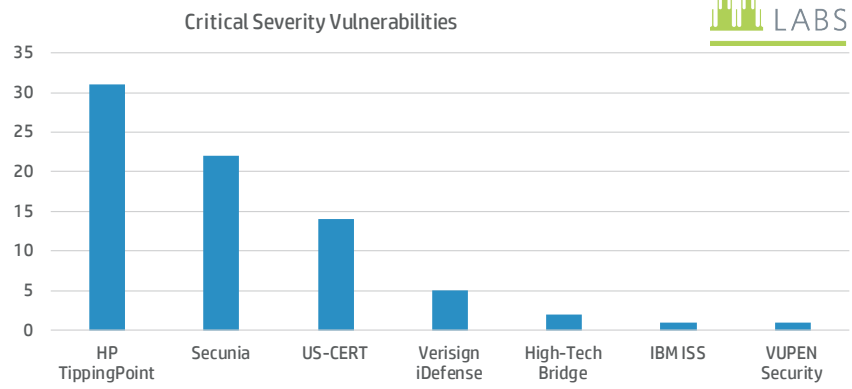
Reliability: Network security does not matter if the network cannot perform to meet user demand. HP TippingPoint has developed network security devices that have delivered 99.99999 percent customer network uptime nearly continuously.[1] The next-generation firewall family of products was designed to help ensure the network is there for all transactions, from day-to-day to the most sensitive data transfers.

Ease-of-use: IT budgets are limited and organizations are understaffed. HP TippingPoint NGFW can help significantly reduce your operational expenses. It can be installed and deployed in less than one hour right out of the box with a single management interface that shares network security policy configurations. HP TippingPoint NGFW allows customers to create a custom dashboard and automatic reporting.[2] Our next-generation firewall is designed to be self-sufficient and allow customers to set-it and forget-it.

[1] Based on HP internal study of a random sampling of 100 customer accounts over a 12 month period in 2012. Planned/scheduled maintenance windows to install replacement devices or other hot swappable parts (for example, power supplies, fan, etc.) were not considered as downtime in these numbers.

[2] Based on an HP survey of customers performed Q3 2012

Security Effectiveness[3]



Security effectiveness: Security intelligence is only helpful if it stays ahead of threats, and does not compromise performance. HP TippingPoint is an industry leader in security effectiveness through the HP TippingPoint Zero Day Initiative Program and the DVLabs security research team, which has published over 7,400 filters to date. Weekly DVLabs updates help our customers stay ahead of threats and protect their network by stopping exploits and blocking attacks.

Application visibility and control: Knowing what applications are running on your network and who is accessing those applications is a critical element of your security strategy. HP TippingPoint NGFW provides the visibility you need to see and manage the applications running on your network while also providing the flexibility to set the policy to block and control undesirable or evasive applications.

Key Features:

- IPv6 ready networking features including link aggregation, OSPF, RIP, BGP and multicast dynamic routing, and VLAN support.
- Easy deployment in transparent or routed modes.
- 2-node Active-Passive High Availability with state synchronization.
- IPSec Site-to-Site and Client-to-site VPN connectivity.
- Integrated user based policy with integration with Active Directory, LDAP or RADIUS authentication services.
- Role Based Access Control (RBAC) gives control on who can affect what parts of the device configuration.

[3] Frost & Sullivan Vulnerability Report 2013

Technical specifications

	S1050F	**S3010F**	**S3020F**	**S8005F**	**S8010F**
Performance **Note: Performance data represents the maximum capabilities of the systems as measured under optimal testing conditions.**	Firewall: 500 Mb/s; Firewall + IPS (512 bytes): 250 Mb/s; Firewall + IP S+ Application control (IMIX): 250 Mb/s; IPSec VPN: 250 Mb/s; Maximum IPSec VPN tunnels: 1250; Typical latency Firewall + IPS: <600 microseconds; Concurrent sessions: 250,000; New connections per second: 10,000	Firewall: 1 Gb/s; Firewall + IPS (512 bytes): 500 Mb/s; Firewall + IP S+ Application control (IMIX): 500 Mb/s; IPSec VPN: 500 Mb/s; Maximum IPSec VPN tunnels: 7500; Typical latency Firewall + IPS: <120 microseconds; Concurrent sessions: 500,000; New connections per second: 20,000	Firewall: 2 Gb/s; Firewall + IPS (512 bytes): 1 Gb/s; Firewall + IP S+ Application control (IMIX): 1 Gb/s; IPSec VPN: 1 Gb/s; Maximum IPSec VPN tunnels: 7500; Typical latency Firewall + IPS: <120 microseconds; Concurrent sessions: 1,000,000; New connections per second: 20,000	Firewall: 5 Gb/s; Firewall + IPS (512 bytes): 2.5 Gb/s; Firewall + IP S+ Application control (IMIX): 2.5 Gb/s; IPSec VPN: 1.5 Gb/s; Maximum IPSec VPN tunnels: 7500; Typical latency Firewall + IPS: <120 microseconds; Concurrent sessions: 10,000,000; New connections per second: 50,000	Firewall: 10 Gb/s; Firewall + IPS (512 bytes): 5 Gb/s; Firewall + IP S+ Application control (IMIX): 5 Gb/s; IPSec VPN: 3 Gb/s; Maximum IPSec VPN tunnels: 7500; Typical latency Firewall + IPS: <120 microseconds; Concurrent sessions: 20,000,000; New connections per second: 50,000
Network connectivity	Eight 10/100/1000 RJ-45 ports; One 10/100/100 RJ-45 High Availability port;	Eight 10/100/1000 RJ-45 ports; Eight 1 Gb/s SFP copper/ fiber ports; One 10/100/1000 RJ-45 High Availability port;	Eight 10/100/1000 RJ-45 ports; Eight 1 Gb/s SFP copper/ fiber ports; One 10/100/1000 RJ-45 High Availability port;	Eight 10/100/1000 RJ-45 ports; Eight 1 Gb/s SFP copper/ fiber ports; Four 10 Gb/s SFP+ copper/ fiber ports; Two 10/100/1000 RJ-45 High Availability port;	Eight 10/100/1000 RJ-45 ports; Eight 1 Gb/s SFP copper/ fiber ports; Four 10 Gb/s SFP+ copper/ fiber ports; Two 10/100/1000 RJ-45 High Availability port;
On-box storage	8 GB solid state replaceable CFast flash drive;	8 GB solid state replaceable CFast flash drive;	8 GB solid state replaceable CFast flash drive;	32 GB solid state replaceable CFast flash drive;	32 GB solid state replaceable CFast flash drive;
Management	One out-of-band 10/100/1000 RJ-45 port; or via in-band network ports; 1 RJ-45 serial console port; Manageable via Security Management Server (SMS), command-line SSH, HTTPS Web browser, HP TippingPoint NGFW Management Information Base (MIB)	One out-of-band 10/100/1000 RJ-45 port; or via in-band ports; 1 RJ-45 serial console port; Manageable via Security Management Server (SMS), command-line SSH, HTTPS Web browser, HP TippingPoint NGFW Management Information Base (MIB)	One out-of-band 10/100/1000 RJ-45 port; or via in-band ports; 1 RJ-45 serial console port; Manageable via Security Management Server (SMS), command-line SSH, HTTPS Web browser, HP TippingPoint NGFW Management Information Base (MIB)	One out-of-band 10/100/1000 RJ-45 port; or via in-band ports; 1 RJ-45 serial console port; Manageable via Security Management Server (SMS), command-line SSH, HTTPS Web browser, HP TippingPoint NGFW Management Information Base (MIB)	One out-of-band 10/100/1000 RJ-45 port; or via in-band ports; 1 RJ-45 serial console port; Manageable via Security Management Server (SMS), command-line SSH, HTTPS Web browser, HP TippingPoint NGFW Management Information Base (MIB)
Electrical characteristics (AC)	Voltage: 100–240 VAC Current (max. fused power): 4/2 A Frequency: 50–60 Hz Power consumption: 142W (484 BTU/hour); Dual, redundant hot-swappable power supplies included;	Voltage: 100–240 VAC Current (max. fused power): 12/6 A Frequency: 47–63 Hz Power consumption: 493W (1682 BTU/hour); Dual, redundant hot-swappable power supplies included;	Voltage: 100–240 VAC Current (max. fused power): 12/6 A Frequency: 47–63 Hz Power consumption: 493W (1682 BTU/hour); Dual, redundant hot-swappable power supplies included;	Voltage: 100–240 VAC Current (max. fused power): 12/6 A Frequency: 47–63 Hz Power consumption: 493W (1682 BTU/hour); Dual, redundant hot-swappable power supplies included;	Voltage: 100–240 VAC Current (max. fused power): 12/6 A Frequency: 47–63 Hz Power consumption: 493W (1682 BTU/hour); Dual, redundant hot-swappable power supplies included;
Physical characteristics (unpackaged)	Dimensions: 1.73 in (H) x 16.78 in (W) x 17.72 in (D) (4.40 cm x 42.62 cm x 45.00 cm) Weight: 15.28 lbs (6.93 kg) Rack units: 1U Includes mounting hardware for 2 post front, 2 post mid, or 4 post mounting; Redundant hot-swappable fans included;	Dimensions: 3.46 in (H) x 16.77 in (W) x 18.70 in (D) (8.80 cm x 42.60 cm x 47.50 cm) Weight: 22.66 lbs (10.28 kg) Rack units: 2U Includes mounting hardware for 2-post front, 2-post mid, and 4-post quick release slides rail mounting; Redundant hot-swappable fans included;	Dimensions: 3.46 in (H) x 16.77 in (W) x 18.70 in (D) (8.80 cm x 42.60 cm x 47.50 cm) Weight: 22.66 lbs (10.28 kg) Rack units: 2U Includes mounting hardware for 2-post front, 2-post mid, and 4-post quick release slides rail mounting; Redundant hot-swappable fans included;	Dimensions: 3.46 in (H) x 16.77 in (W) x 18.70 in (D) (8.80 cm x 42.60 cm x 47.50 cm) Weight: 26.26 lbs (11.91 kg) Rack units: 2U Includes mounting hardware for 2-post front, 2-post mid, and 4-post quick release slides rail mounting; Redundant hot-swappable fans included;	Dimensions: 3.46 in (H) x 16.77 in (W) x 18.70 in (D) (8.80 cm x 42.60 cm x 47.50 cm) Weight: 26.26 lbs (11.91 kg) Rack units: 2U Includes mounting hardware for 2-post front, 2-post mid, and 4-post quick release slides rail mounting; Redundant hot-swappable fans included;

	S1050F	S3010F	S3020F	S8005F	S8010F
Environment	Operating temperature: 32°F to 104°F (0°C to 40°C) Operating relative humidity: 5% to 95% non-condensing Non-operating/storage temperature: -4°F to 158°F (-20°C to 70°C) Non-operating/storage relative humidity: 5% to 95% non-condensing Altitude: Up to 10,000 feet (3,048 m)	Operating temperature: 32°F to 104°F (0°C to 40°C) Operating relative humidity: 5% to 95% non-condensing Non-operating/storage temperature: -4°F to 158°F (-20°C to 70°C) Non-operating/storage relative humidity: 5% to 95% non-condensing Altitude: Up to 10,000 feet (3,048 m)	Operating temperature: 32°F to 104°F (0°C to 40°C) Operating relative humidity: 5% to 95% non-condensing Non-operating/storage temperature: -4°F to 158°F (-20°C to 70°C) Non-operating/storage relative humidity: 5% to 95% non-condensing Altitude: Up to 10,000 feet (3,048 m)	Operating temperature: 32°F to 104°F (0°C to 40°C) Operating relative humidity: 5% to 95% non-condensing Non-operating/storage temperature: -4°F to 158°F (-20°C to 70°C) Non-operating/storage relative humidity: 5% to 95% non-condensing Altitude: Up to 10,000 feet (3,048 m)	Operating temperature: 32°F to 104°F (0°C to 40°C) Operating relative humidity: 5% to 95% non-condensing Non-operating/storage temperature: -4°F to 158°F (-20°C to 70°C) Non-operating/storage relative humidity: 5% to 95% non-condensing Altitude: Up to 10,000 feet (3,048 m)
Safety	UL 60950-1; IEC 60950-1; EN 60950-1; CSA 22.2 60950-1; ROHS Compliance	UL 60950-1; IEC 60950-1; EN 60950-1; CSA 22.2 60950-1; ROHS Compliance	UL 60950-1; IEC 60950-1; EN 60950-1; CSA 22.2 60950-1; ROHS Compliance	UL 60950-1; IEC 60950-1; EN 60950-1; CSA 22.2 60950-1; ROHS Compliance	UL 60950-1; IEC 60950-1; EN 60950-1; CSA 22.2 60950-1; ROHS Compliance
EMC	Class A; FCC; VCCI; KC; EN 55022; CISPR 22; EN 55024; CISPR 24; EN 61000-3-2; EN 61000-3-3; CE Marking;	Class A; FCC; VCCI; KC; EN 55022; CISPR 22; EN 55024; CISPR 24; EN 61000-3-2; EN 61000-3-3; CE Marking;	Class A; FCC; VCCI; KC; EN 55022; CISPR 22; EN 55024; CISPR 24; EN 61000-3-2; EN 61000-3-3; CE Marking;	Class A; FCC; VCCI; KC; EN 55022; CISPR 22; EN 55024; CISPR 24; EN 61000-3-2; EN 61000-3-3; CE Marking;	Class A; FCC; VCCI; KC; EN 55022; CISPR 22; EN 55024; CISPR 24; EN 61000-3-2; EN 61000-3-3; CE Marking;

About HP

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