Overview

Models

HP S10 20Mbps IPS	JC184A
HP S110 100Mbps IPS	JC186A
HP S330 300Mbps IPS	JC187A

Key features

- Industry-proven proactive network security
- Up-to-date and broad IPS protection
- Industry-leading security research team—DVLabs
- Minimized overall security costs and complexity
- Security compliance best practices

Product overview

The HP S Intrusion Prevention System (IPS) Series is optimized for performance and reliability at 20, 100, and 300 Mbps with very flexible deployment options. For perimeter protection, the solutions can be deployed in front of or behind a router/firewall to immediately protect the network and applications from inbound threats. Deployment between network zones provides isolation and protects sensitive zones from internal attacks. HP IPS solutions are designed to preserve availability, performance, and security for enterprises and service providers alike. They give service providers more flexibility for general or dedicated protection for their customers' assets. The series also has integrated Zero Power High Availability (ZPHA) so that a simple power failure does not cause a network outage. This series complements other HP IPS solutions, which provide network protection in high-bandwidth locations such as the core network and data center.

Features and benefits

Technical features

- Proven in-line threat protection: Since 2001, HP TippingPoint has been laser-focused on creating IPS solutions that provide proactive, in-line network protection while ensuring high network performance and availability. No network security solution remains in-line long if it compromises network performance or uptime. According to a 2008 study by Infonetics Research, more enterprise IPS users use our IPS solutions in-line than any other.
- Proven reliability and redundancy: The S10, S110, and S330 IPSs are designed to deliver unparalleled high availability. This ensures that network traffic always flows at wire speed even in the event of network or internal device error, or complete power loss. There are two complementary high availability modes of operation—Intrinsic High Availability and Stateful Network Redundancy. And with integrated Zero Power High Availability (ZPHA), a simple power failure does not cause a network outage.
- Best-of-breed remote office security: The S10 IPS is optimized for sub 20 Mbps link speeds that are predominant in business DSL and metro Ethernet services. The solution can be deployed in front of or behind the remote location's router/firewall, immediately protecting the network and applications from inbound threats. The S10 IPS is designed to preserve availability and to increase performance and security on remote office networks.
- Industry-leading security coverage: The S10, S110, and S330 IPSs receive automated security updates from the Digital Vaccine Service, ensuring evergreen (always up-to-date) protection against emerging threats. Digital Vaccines are created not only to address specific exploits, but also potential attack permutations, protecting customers from zero-day threats. Digital Vaccines are delivered to customers at least two times a week and can be deployed automatically with no local user interaction.
- Comprehensive traffic flow inspection: The IPS provides comprehensive flow inspection through Layer 7 to cleanse Internet and intranet traffic and eradicate attacks before damage occurs to protected systems. In fact, the HP TippingPoint IPS solutions

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are known for their pinpoint accuracy in blocking attacks, meaning no legitimate traffic is blocked.

- Broad network asset protection: HP TippingPoint IPS solutions protect a broad range of network infrastructure including routers, switches, DNS and email servers, Web and enterprise application servers, and much more. HP TippingPoint solutions provide the best vulnerability coverage in the IPS industry, including protection of Cisco, Microsoft®, Sun O/S, EMC, SAP, CA, Mozilla, Novell, Oracle, Apple O/S, Citrix O/S, Adobe®, IBM, and many other enterprise applications.
- Reduced overall costs and complexity: HP TippingPoint IPSs block attacks and allow IT staff to spend time on strategic projects instead of reacting to security breaches on hosts and workstations. The S10, S110, and S330 IPSs provide network segmentation to stop the spread of malicious traffic from infected users, while notifying IT administrators where attacks are originating.
- Traffic management preserves network bandwidth: The HP TippingPoint IPS also provides traffic management to stop bandwidth hogging applications like peer-to-peer, instant messaging, and streaming media. The IPS provides the ability to block or rate-limit these applications, preserving network bandwidth and network device capacity.
- Rapid network and remote office installation: The HP TippingPoint IPS is easily installed in both large corporate and remote office networks. In remote office networks the IPS is easily installed by local personnel in minutes and immediately begins filtering out malicious and unwanted traffic. The IPS is deployed seamlessly with no IP or MAC address configurations, and all systems ship with "Recommended Settings", meaning no "out-of-the-box" configurations are required locally.
- Easy to manage: The HP TippingPoint IPS solutions are easily managed with the security management system (SMS) that discovers, monitors, configures, diagnoses, and reports on multiple IPS systems. In addition, every IPS has a command-line interface (CLI) and an embedded local security manager (LSM) that provides local administration, configuration, and reporting in an easy-to-use Web interface.
- Best practices for security compliance: The HP TippingPoint IPS can be a critical component in an IT compliance program. Today's organizations deal with increasingly stringent security policies in the face of an ever-changing threat landscape and increasing regulatory requirements. With these pressures, the IPS provides automated enforcement of network security policies, and reporting from the IPS and SMS shows internal and external auditors how the network is being protected.

Warranty and support

- 1-year warranty: with advance replacement and 30-calendar-day delivery (available in most countries)
- Electronic and telephone support: limited electronic and telephone support is available from HP; refer to: www.hp.com/networking/warranty for details on the support provided and the period during which support is available
- Software releases: refer to: www.hp.com/networking/warranty for details on the software releases provided and the period during which software releases are available for your product(s)

HP S10 20Mbps IPS (JC184A)

Ports	4 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T); Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only	
Physical characteristics	Dimensions	7.38(d) x 10.63(w) x 2.02(h) in. (18.75 x 27 x 5.13 cm) (2U height)
	Weight	5.49 lb. (2.49 kg)
Performance	Latency	< 600 μs
	IPS/IDS throughput	20Mbps
	Network throughput	20Mbps
	Security contexts	250,000
	Connections per second	3,600+
	Concurrent sessions	1,000,000
Electrical characteristics	Voltage	100-240 VAC
	Current	1.8 A
	Frequency	50 / 60 Hz
Safety	UL 60950-1; EN 60825-1 Safety of Laser Products-Part 1; EN 60825-2 Safety of Laser Products-Part 2; IEC 60950-1; EN 60950-1; CSA 22.2 60950-1; ROHS Compliance	
Emissions	FCC Class A; VCCI Class A; EN 55022 Class A; AS/NZS 3548 Class A; ICES-003 Class A	
Immunity	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
	EFT/Burst	EN 61000-4-4
	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6
	Voltage dips and interruptions	EN 61000-4-11
	Harmonics	EN 61000-3-2
	Flicker	EN 61000-3-3

Notes

Emissions for S10:

- FCC Class B
- ICES-003, Class B
- EN 55022 Class B
- VCCI Class B
- AS/NZS-3548 Class B

Performance footnotes:

- IPS/IDS Throughput represents the inspection throughput levels measured with recommended security profiles.
- Network Throughput represents the maximum throughput levels that can be achieved with the use of traffic forwarding.
- Typical Latency is measured on packet sizes up to 1518 bytes.
- Concurrent Network Sessions is the maximum number of concurrent network sessions that can be supported by the IPS.
- Security Contexts is the maximum number of sessions with security state that can be supported by the IPS.

Technical Specifications

Services	3-year, 24x7 next-business-day hardware advance exchange, 24x7 SW phone support and SW updates (UX064E) Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

HP S110 100Mbps IPS (JC186A)

Ports	8 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T); Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only	
Physical characteristics	Dimensions	18.25(d) x 16.75(w) x 1.74(h) in. (46.36 x 42.55 x 4.42 cm) (1U height)
	Weight	14.99 lb. (6.8 kg)
Mounting	19 or 23 inch wide rack—ears provided	
Performance	Latency	< 600 μs
	IPS/IDS throughput	100Mbps
	Network throughput	100Mbps
	Security contexts	250,000
	Connections per second	9,700
	Concurrent sessions	1,000,000
Electrical characteristics	Voltage	100-240 VAC
	Current	3 / 2 A
	Frequency	50 / 60 Hz
Safety	UL 60950-1; EN 60825-1 Safety of Laser Products-Part 1; EN 60825-2 Safety of Laser Products-Part 2; IEC 60950-1; EN 60950-1; CSA 22.2 60950-1; ROHS Compliance	
Emissions	FCC Class A; VCCI Class A; EN 55022 Class A; AS/NZS 3548 Class A; ICES-003 Class A	
Immunity	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
	EFT/Burst	EN 61000-4-4
	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6
	Voltage dips and interruptions	EN 61000-4-11
	Harmonics	EN 61000-3-2
	Flicker	EN 61000-3-3
Notes	Emissions for S10:	

- FCC Class B
- ICES-003, Class B
- EN 55022 Class B
- VCCI Class B
- AS/NZS-3548 Class B

Performance footnotes:

- IPS/IDS Throughput represents the inspection throughput levels measured with recommended

security profiles.

- Network Throughput represents the maximum throughput levels that can be achieved with the use of traffic forwarding.
- Typical Latency is measured on packet sizes up to 1518 bytes.
- Concurrent Network Sessions is the maximum number of concurrent network sessions that can be supported by the IPS.
- Security Contexts is the maximum number of sessions with security state that can be supported by the IPS.

Services	3-year, 24x7 next-business-day hardware advance exchange, 24x7 SW phone support and SW updates (UX065E) Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

HP S330 300Mbps IPS (JC187A)

Ports	8 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T); Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only	
Physical characteristics	Dimensions	18.25(d) x 16.75(w) x 1.74(h) in. (46.36 x 42.55 x 4.42 cm) (1U height)
	Weight	14.99 lb. (6.8 kg)
Mounting	19 or 23 inch wide rack—ears provided	
Performance	Latency	< 600 µs
	IPS/IDS throughput	300Mbps
	Network throughput	300Mbps
	Security contexts	250,000
	Connections per second	18,500
	Concurrent sessions	1,000,000
Electrical characteristics	Voltage	100-240 VAC
	Current	6 / 3 A
	Frequency	50 / 60 Hz
Safety	UL 60950-1; EN 60825-1 Safety of Laser Products-Part 1; EN 60825-2 Safety of Laser Products-Part 2; IEC 60950-1; EN 60950-1; CSA 22.2 60950-1; ROHS Compliance	
Emissions	FCC Class A; VCCI Class A; EN 55022 Class A; AS/NZS 3548 Class A; ICES-003 Class A	
Immunity	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
	EFT/Burst	EN 61000-4-4
	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6
	Voltage dips and interruptions	EN 61000-4-11
	Harmonics	EN 61000-3-2
	Flicker	EN 61000-3-3
Notes	Emissions for S10:	

- FCC Class B
- ICES-003, Class B
- EN 55022 Class B
- VCCI Class B
- AS/NZS-3548 Class B

Performance footnotes:

- IPS/IDS Throughput represents the inspection throughput levels measured with recommended security profiles.
- Network Throughput represents the maximum throughput levels that can be achieved with the use of traffic forwarding.
- Typical Latency is measured on packet sizes up to 1518 bytes.
- Concurrent Network Sessions is the maximum number of concurrent network sessions that can be supported by the IPS.
- Security Contexts is the maximum number of sessions with security state that can be supported by the IPS.

Services

3-year, 24x7 next-business-day hardware advance exchange, 24x7 SW phone support and SW updates (UX066E)

Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

To learn more, visit: www.hp.com/networking