

Vendor	Check Point	Cisco	IBM Internet Security Systems	Juniper Networks	TippingPoint
Model	IPS-1 Power Sensor 2000	IPS 4270	Proventia Network Intrusion Prevention System (IPS) Model GX – 5208	IDP 800	TippingPoint 2400E
Operating modes	Passive intrusion detection mode, inline bridge mode (also known as learning mode), and full inline prevention mode.	Inline IPS configuration, a promiscuous IDS configuration, or both inline and promiscuous simultaneously	Active protection (intrusion prevention mode), passive detection (intrusion detection mode), and inline simulation (simulates inline prevention)	Passive sniffer, inline bridge, inline Proxy-ARP, and inline router	Actions: Block, copy, log, quarantine, permit, alert, email and rate limit
Detection mechanism	Exploit-based signatures, vulnerability-based signatures, policy-based signatures, protocol validation, passive operating system fingerprinting, multi-element correlation and dynamic worm mitigation	Modular inspection capabilities, global correlation, dynamic risk-based threat rating, adaptive vulnerability detection and anomaly detection.	Intelligent deep-packet inspection	10 including stateful signatures and backdoor detection	Packet inspection
Throughput	IPS mode: 2Gbps and IDS mode: 4Gbps	- Performance: Media rich – 4Gbps - Performance: Transactional – 2Gbps	2Gbps	1Gbps	2Gbps
Latency	NA	NA	<200microseconds	NA	< 84 microseconds
Connections per second	NA	NA	60,000	NA	3,50,000
Maximum number of concurrent sessions	NA	NA	18,00,000	500,000	20,00,000
Monitoring interfaces	Eight 10/100/1000Mbps copper or eight 1000Mbps fiber	Four 10/100/1000BASE-TX or four 1000BASE-SX	8x10/100/1,000 copper or 8x SFP/mini-GBIC ports (1,000 TX/SX/LX)	2 RJ-45 Ethernet 10/100/1000 with bypass	Eight 10/100/1000 Ethernet Ports Fiber and Copper
Inline protected segments	NA	NA	4 network segments	NA	Total Segments – 4
Reporting features	Real time and historical analysis reports using IPS-1 Management Dashboard.	Yes	Reporting, event correlation and alerting.	IDP reporter, profiler, security explorer and application profiler.	Local security manager (LSM) - Web GUI management application that provides administration, configuration and reporting capabilities in a secure Web interface
Management interface	IPS-1 Management Dashboard provides threat-profile views, scalable centralized management, forensic analysis and vulnerability management.	Yes	Using IBM Proventia Management SiteProtector system. SiteProtector provides configuration and control of Proventia agents.	Centralized management of IDP series appliances and firewall products is enabled through Network and Security Manager (NSM). NSM offers role-based administration, scheduled security updates, domains, object locking, scheduled database backup and job manager.	Command line interface (CLI), LSM for on-box Web-based management and Enterprise Security Management System (SMS) to manages multiple TippingPoint systems (1U Appliance running TippingPoint OS)

High availability features	Hardware-level bypass	Automated hardware fail-open	Active-active: yes Active-passive: yes Hardware-level bypass: external bypass (optional)	Built-in bypass	Layer 2 fallback, active-active or active-passive stateful redundancy (IPS + SMS), zero power high availability, SMS: Fault tolerant configurations available security certification, common criteria EAL2+ - analyzer, sensor, scanner and system
Redundancy features	Redundant power supplies	Redundant power Supply	Redundant power supplies and storage	Redundant power, DC and RAID	Dual power supplies
Form factor	4U	Rack mountable	2U	17 x 3.4 x 19 in (43.2 x 8.6 x 48.3 cm)	2U
Other features	-	-	-	2 x 74GB redundant RAID 1 array	-
Website	www.checkpoint.com	www.cisco.com/web/IN/index.html	www.iss.net	www.juniper.net	www.tippingpoint.com