

Juniper Networks NetScreen-IDP 10/100/500/1000



The Juniper Networks NetScreen Intrusion Detection and Prevention (NetScreen-IDP) integrates application and network visibility with incident investigation and remediation to help customers quickly and confidently deploy inline attack prevention. When deployed inline, NetScreen-IDP effectively identifies and stops network and application level attacks before they inflict any damages, minimizing the time and costs associated with intrusions. NetScreen-IDP not only helps protect your network against attacks, it provides you with information on rogue servers and applications that may have been added to the network without your knowledge. Armed with the knowledge that unauthorized applications such as peer-to-peer or instant messaging have been added to the network allows you to more easily enforce your security policy and maintain compliance with your corporate application use policy. Combined with a centralized, rule-based management approach, which offers granular control over the system's behavior and easy access to extensive logging and fully customizable reporting, it is easy to see why NetScreen-IDP is the best way to keep your critical information assets safe.

**Juniper Networks
NetScreen-IDP 10/100/500/1000**

Management Capabilities

3 Tier System		Yes
User Interface Platforms	Windows Linux	Yes Yes
Management Server	Linux RedHat 7/8 RedHat Enterprise Server 3 Solaris 7/8	Yes Yes
Platforms		Yes
User Interface Mechanisms	Java Application Command Line Interface	Yes Yes
Number of Users		Unlimited
Centralized Management	Policy Management Log Viewing Incident Management	Yes Yes Yes
Logging		Over 50,000 logs per second
Log Exporting		PostgresSQL Database XMLFile CSVFile
Signature Updates		Yes; signature updates provided weekly
Reporting		
Quick reports		Yes
Fully customizable reports		Yes
Exportable (HTML)		Yes
System Status Monitoring		Yes

Sensor Software

Detection Methods (8 methods)	Stateful Signature Detection Protocol Anomaly Detection Backdoor Detection Traffic Anomaly Detection IP Spoofing Detection DoS Detection Layer 2 Detection Network Honeypot	Yes Yes Yes Yes Yes Yes Yes Yes
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Signatures	Stateful Number of contexts supported Compound (Stateful plus protocol anomaly) Open signature format Custom, user definable Parallel signature matching	Yes 500 + Yes Yes Yes Yes
Protocols supported		60
Traffic Interpretation	Reassembly Scrubbing Normalization	Yes Yes Yes
Active Responses	Drop Packet Drop Connection	Yes Yes
Passive Responses	TCP Resets Close Client Close Server Close Connection IP Actions	Yes Yes Yes Yes Yes
Notification Methods	Built-in Log Viewer SMTP(Email) Custom Script SNMP trap SYSLOG	Yes Yes Yes Yes Yes
Packet Management	User-specified logging Built-in packet viewer 3rd party compatibility	Yes Yes Yes
Operational Modes	Bridge Router Proxy-ARP Transparent Sniffer (Passive)	Yes Yes Yes Yes Yes
Enterprise Networking	802.1 QVLAN Support SNMPMIB-II Support	Yes Yes
Network Forensics/ Incident Response	Application (L7) information/awareness Network (L2-L4) information/awareness Policy violation visibility/awareness Incident correlation Policy refinement TruSecure incident remediation	Yes Yes Yes Yes Yes Yes

Sensor Hardware	Juniper Networks NetScreen-IDP 10	Juniper Networks NetScreen-IDP 100	Juniper Networks NetScreen-IDP 500	Juniper Networks NetScreen-IDP 1000	Juniper Networks NetScreen-IDP Bypass
Interfaces	2 Copper Gigabit and 1 10/100 Standard	2 Copper Gigabit and 2 10/100 Standard ⁽¹⁾	2 Copper Gigabit and 2 Fiber Gigabit Standard(2)	2 Copper Gigabit and 2 Fiber Gigabit Standard ⁽²⁾	
Memory (RAM)	512 mb	1 Gb	4 Gb	4 Gb	
Maximum Session	10,000	70,000	220,000	500,000	
Throughput	Up to 20 mb/Sec Nominal ⁽³⁾	Up to 200 mb /Sec	Up to 500 mb/Sec	Up to 1 Gb/Sec ⁽⁴⁾	
High Availability					
Standalone Failover	No	Yes	Yes	Yes	
HA Clustering	No	Yes	Yes	Yes	
Load Sharing	No	Yes	Yes	Yes	
3rd Party Failover	No	Yes	Yes	Yes	
Fail-Open	Yes ⁽⁵⁾	Yes ⁽⁵⁾	No	No	
Physical Redundancy					
Redundant Power	No	Optional	Yes	Yes	
RAID	No	Optional	Yes	Yes	
Physical					
AC Power Wattage	230 Watts	275 Watts	275 Watts	325 Watts	12 Watts
AC Power Voltage	100/240 VAC, 2.0-1.0 A, 50/60 Hz	100/240 VAC, 3.9-2.0 A, 50/60 Hz	100/240 VAC, 3.9-2.0 A, 50/60 Hz	110/220 Volts	90-264 VAC
System Battery	CR2032 3V lithium coin cell	CR2032 3V lithium coin cell	CR2032 3V lithium coin cell	3V coin cell	
Operating Temp	50° to 95°F	50° to 95°F	50° to 95°F	50° to 95°F	
Storage Temp	-40° to 149°F	-40° to 149°F	-40° to 149°F	-40° to 149°F	
Relative Humidity (Operating)	8% to 80% noncondensing	8% to 85% noncondensing	8% to 85% noncondensing	8% to 80% noncondensing	
Relative Humidity (Storage)	5% to 95% noncondensing	5% to 95% noncondensing	5% to 95% noncondensing	5% to 95% noncondensing	
Altitude (Operating)	-50 to 10,000 ft	-50 to 10,000 ft	-50 to 10,000 ft	-50 to 10,000 ft	
Altitude (Storage)	-50 to 35,000 ft	-50 to 35,000 ft	-50 to 35,000 ft	-50 to 35,000 ft	
Weight	27 lbs	35.27 lbs	35.27 lbs	35 lbs	1.5 lbs
Height	1.69 in. 1U	1.69 in. 1U	1.69 in. 1U	1.67 in. 1U	1.35 in.
Width	16.7 in.	19 in.	19 in.	17.61 in.	8 in.
Depth	23.1 in.	26.9 in.	26.9 in.	27 in.	5 in.

(1) Each 10/100 interface may be replaceable with an optional quad 10/100/1000 interface card (at extra cost). In total, the 2 standard 10/100 interfaces may be replaced with 8 10/100/1000 interfaces.

(2) Each Fiber Gigabit interface (Base-SX) may be replaceable with an optional quad 10/100/1000 interface card (at extra cost). In total, the 2 standard Fiber Gigabit (Base-SX) cards may be replaced with 8 10/100/1000 interfaces. Note: the Fiber Gigabit cards are for multimode (Base-SX) SC connectors only. If single mode is needed the user will need an external converter.

(3) The IDP-10 supports 20 MB/Sec of continuous throughput, however it can handle bursts at full line-speed.

(4) As tested with IDP 3.0 software.

(5) Requires NetScreen-IDP Bypass unit, which is purchased separately.

Management server

IDP Management software runs on either Solaris 7/8 or Linux RedHat 7.2/8 or RedHat Enterprise Server 3. Recommended processor: 1GHZ (Linux), 400 MHZ (Solaris). Recommended capacities: 1GB RAM and 18 GB hard disk (minimums).

Management GUI client application

The client application is a Java-based application that runs on Windows2000, NT, XP and Linux RedHat 8 or RedHat Enterprise Server 3. JRE version 1.4.1 is included. Disk Requirements: 128 MBRAM Requirements: 256 MB (IDP 2.1), 512 MB (IDP 3.0)

Product

NetScreen-IDP 10 Intrusion Detection and Prevention Appliance
 NetScreen-IDP 100 Intrusion Detection and Prevention Appliance
 NetScreen-IDP 500 Intrusion Detection and Prevention Appliance
 NetScreen-IDP 1000 Intrusion Detection and Prevention Appliance

Part Number

NS-IDP-10
 NS-IDP-100-002
 NS-IDP-500-002
 NS-IDP-1000

Accessories

NetScreen-IDP Bypass Fail-Open Device (IDP-10 and IDP-100 only) NS-IDP-BYP
 NetScreen-IDP Fiber Gigabit NICs (set of 2 Cards)* NS-IDP-GB
 NetScreen-IDP Quad 10/100/1000 NIC** NS-IDP-QUAD-NIC
 NetScreen-IDP Redundant Hard Drive (IDP 100 only) NS-IDP-HD-002
 NetScreen-IDP AC Power Supply (IDP 100 only) NS-IDP-PWR-AC-002
 NetScreen-IDP Rapid Rail Kit NS-IDP-RCK-01
 NetScreen-IDP Chatsworth Rail Kit NS-IDP-RCK-02

*For NetScreen-IDP 100 only

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