QuickSpecs

Overview

Model

HP 7500 NetStream Monitoring Module   JD254A

Key features

- High-Performance Hardware Platform
- Powerful Protocol Processing Mechanism
- Comprehensive Statistical Analysis Reports
- NetStream Flow Record Templates v9 Ready
- High Reliability and Low Running Cost

Product overview

HP A series NetStream is an accounting technology based on network traffic.It collects and analyzes services traffics on networks, providing detailed traffic information. The output data of the NetStream module can be used in network management and planning, enterprise accounting, charging per department, ISP bill, data storage and backup, and data collection for business purposes. A series NetStream Monitoring Module developed on OAA(Open Application Architecture) platform delivers local high-performance capture of network flow data for central analysis without impact to normal services, this increases administrator insight, enhancing security and granularity of control. Connected to the switch by a high-speed internal interface, the monitoring card provides wire-speed forwarding across the backplane to ensure smooth data exchanges.

Features and benefits

Application highlights

- **High Performance**: Developed based on Open Application Architecture (OAA) with 10G bandwidth connection to backplane. support 4Gbps throughput and Max 2.4M Concurrent Connections
- **Powerful Protocol Processing Mechanism**: Can collect and analyze MPLS packets and IP packets including UDP, TCP, and ICMP packets, and offers first-hand, accurate network operation information including the packet number, bytes, arrival time of the first packet, and that of the last packet of each data flow.
- **Comprehensive Statistical Analysis Reports**: NS Module outputs various statistical analysis reports such as history traffic analysis reports, traffic trend alerts, traffic anomaly detection, online user behavior analysis, and fine traffic reports of specific or all network devices, interfaces, or resource groups. These reports help user understand network operation comprehensively in time, and prevent n network attacks effectively
- **Simultaneous Sending of Packets to Master and Backup Servers**: NS module sends NetStream data to the specified storage sever for facilitating analysis. To prevent packet loss, the NS card can simultaneously send packets to the master and backup servers.
- **NetStream Flow Record Templates Version 9 Ready**: V9 based on template which provides the flexible and expandable packet out format to allow new stream meansurement services to be added easily without changing the basic record format.

Warranty and support

- **1-year warranty**: with advance replacement and 10-calendar-day delivery (available in most countries)
- **Electronic and telephone support**: limited electronic and telephone support is available from HP; to reach our support centers, refer to: www.hp.com/networking/contact-support; for details on the duration of support provided with your product purchase, refer to: www.hp.com/networking/warrantysummary
- **Software releases**: to find software for your product, refer to: www.hp.com/networking/support; for details on the software releases available with your product purchase, refer to: www.hp.com/networking/warrantysummary

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Technical Specifications

HP 7500 NetStream Monitoring Module (JD254A)	Ports	2 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) 2 RJ-45 dual-personality ports; auto-sensing 10/100/1000Base-T or SFP 1 RJ-45 serial console port 1 Compact Flash port
	Physical characteristics	Dimensions 14.84(d) x 15.71(w) x 1.57(h) in. (37.7 x 39.9 x 4 cm)
		Weight 7.28 lb. (3.3 kg)
	Memory and processor	2 GB DDR2 SDRAM, 4 MB flash
	Performance	Throughput 4 Gbps
		Concurrent sessions 2.4M
	Environment	Operating temperature 32°F to 104°F (0°C to 40°C)
		Operating relative humidity 10% to 90%, noncondensing
	Management	IMC - Intelligent Management Center; command-line interface; Web browser; SNMP Manager; Telnet; HTTPS; FTP
	Features	Configuration of NetStream on an interface Setting of the interface sampling mode - Rule-based mode - Random mode Configuration of packet filtering on an interface Configuration of aggregate IP traffic accounting - protocol-port aggregation Setting of buffer size for NetStream data Setting of the output address for NetStream data Setting of the output version Setting of the output rate Setting of the packet refresh rate for templates of NetStream data of version 9 Setting of the time refresh rate for templates of NetStream data of version 9 Aging of NetStream data - Active aging time - Inactive aging time - Forced aging Format of output NetStream data - Version 5 - Version 8 - Version 9 Management mode - CLI (Telnet or SSH) - Support of standard SNMPv3; SNMPv2c and SNMPv1 compatible
	Services	3-year, parts only, global next-day advance exchange (UZ932E) 3-year, 4-hour onsite, 13x5 coverage for hardware (UZ933E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UZ936E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 SW phone support and SW updates (UZ940E) 3-year, 24x7 SW phone support, software updates (UZ943E) 1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (HR745E)

Technical Specifications

1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (HR746E)
1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (HR747E)
4-year, 4-hour onsite, 13x5 coverage for hardware (UZ934E)
4-year, 4-hour onsite, 24x7 coverage for hardware (UZ937E)
4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UZ941E)
4-year, 24x7 SW phone support, software updates (UZ944E)
5-year, 4-hour onsite, 13x5 coverage for hardware (UZ935E)
5-year, 4-hour onsite, 24x7 coverage for hardware (UZ938E)
5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UZ942E)
5-year, 24x7 SW phone support, software updates (UZ945E)
3 Yr 6 hr Call-to-Repair Onsite (UZ946E)
4 Yr 6 hr Call-to-Repair Onsite (UZ947E)
5 Yr 6 hr Call-to-Repair Onsite (UZ948E)
1-year, 6 hour Call-To-Repair Onsite for hardware (HR749E)
1-year, 24x7 software phone support, software updates (HR748E)

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