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Refurbished CISCO NM-NAM Datasheet

CISCO > INTERFACES-MODULES

Cisco Services Modules

Product Specifications	
Hardware architecture	1.0 GHz Intel Celeron M CPU with 1 GB RAM and a 120 GB hard disk drive
Monitoring interfaces	Two monitoring interfaces: One internal backplane interface for receiving a copy of LAN or WAN traffic through a special packet-monitoring feature in the router's Cisco IOS Software and one external Gigabit Ethernet interface for receiving traffic directly from local or remote LAN ports. Either can be used for management traffic and for receiving NetFlow data.
Performance	Using the internal monitoring interface, traffic monitoring throughput of up to 100 Mbps has been characterized for the NME-NAM-120S installed in Cisco 3900 Series and Cisco 3800 Series Integrated Services Routers, and up to 45 Mbps in Cisco 2900 Series and Cisco 2800 Series Integrated Services Routers. The external monitoring interface has been characterized to support up to 200 Mbps throughput monitoring. Your monitoring performance may differ based on factors such as packet size, traffic business, collections enabled on the NAM, and features enabled on the router. Contact your Cisco sales representative to obtain further information about NME-NAM-120S performance characteristics.
Topologies and data sources: WAN	Packets on WAN interfaces are copied by a special packet-monitoring feature in Cisco IOS Software using Cisco Express Forwarding and sent to Cisco NAM through the internal backplane interface for analysis at the IP layer and up. NetFlow (versions 1, 5, 6, 7, 8, and 9) data from local and remote devices is sent through the internal or external interface.
Topologies and data sources: LAN	An external Gigabit Ethernet interface receives packets directly from local and remote LAN ports. NetFlow (versions 1, 5, 6, 7, 8, and 9) data from local and remote devices is sent through the internal or external interface.
Interfaces and external applications	HTTP and HTTPS with the embedded web-based NAM Traffic Analyzer Simple Network Management Protocol (SNMP) versions 1 and 2c with other standards-based applications
NAM Traffic Analyzer	Embedded in Cisco NAM Software 4.0 Web-based: Requires Microsoft Internet Explorer 6.0 (with Service Pack 2), Internet Explorer 7.0, or Firefox 2.0; supports both English and Japanese versions of browsers Supports Secure Sockets Layer (SSL) security with up to 168-bit encryption Role-based user authorization and authentication locally or using TACACS+ Real-time and historical statistics (up to 100 days) on LAN and WAN traffic and network-based services
Cisco NAM Software 4.0	Supports Cisco Branch Routers Series NAM, NM-NAM, NME-NAM-80S and NME-NAM-120S
MIBs	Cisco NAM is standards-compliant and supports RMON and RMON2 MIBs as well as several extensions; major MIB groups supported in the Cisco NAM are: MIB-II (RFC 1213) RMON (RFC 2819) RMON2 (RFC 2021) DSMON (RFC 3287) HC-RMON (RFC 3273) NBAR-Protocol Directory Application Response Time
Protocols	Cisco NAM provides RMON2 statistics on several hundred unique protocols, including those defined in RFC 2896, and several Cisco proprietary protocols. Automatically detects unknown protocols. Users have the flexibility to customize the protocol directory by defining protocols on a single port or on a range of ports. Supports protocols discovered using Cisco NBAR-PD MIB in Cisco IOS Software (requires Cisco IOS Software Release 12.3(7)T or later). Protocols supported include (this list is not all-inclusive): TCP and User Datagram Protocol (UDP) over IP including IPv6 HTTP and HTTPS Voice over IP (VoIP) including Skinny Client Control Protocol (SCCP), Real Time Protocol/Real Time Control Protocol (RTP/RTCP), Media Gateway Control Protocol (MGCP), and Session Initiation Protocol (SIP) Mobile IP protocols Storage area network (SAN) protocols including Fibre Channel over TCP/IP

	AppleTalk, DECnet, Novell, Microsoft Database protocols, including Oracle and Sybase Peer-to-peer protocols such as Gnutella, FastTrack, and WinMX Bridge and router protocols Cisco proprietary protocols such as Cisco Discovery Protocol Unknown protocols by TCP/UDP ports, Remote Procedure Call (RPC) program numbers, and so on
Physical dimensions	Dimensions (H x W x D): 1.55 x 7.10 x 7.2 inches (3.9 x 18.0 x 18.3 centimeters) Weight: 1.5 pounds (0.7 kilograms) maximum
Operating environment	Operating temperature: 41 to 104°F (5 to 40°C) Nonoperating and storage temperature: -40 to 158°F (-40 to 70°C) Operating humidity: 5 percent to 85 percent (noncondensing) Operating altitude: -197 ft to 6,000 ft (-60 to 1,800 m)
Safety	UL 60950-1, Second Edition Safety of Information Technology Equipment - Safety - Part 1: General Requirements (USA). Plastic materials that are exposed to the end user shall meet the requirements of fire enclosure (UL94V-1) as defined in UL 60950. CSA 60950-1, Second Edition, Safety of Information Technology Equipment - Safety - Part 1: General Requirements (Canada) IEC 60950-1, Second Edition, Safety of Information Technology Equipment - Safety - Part 1: General Requirements, including all national deviations as specified in the current CB Bulletin EN 60950-1, Second Edition, Safety of Information Technology Equipment - Safety - Part 1: General Requirements (European Union) incorporating all deviations, as applicable GB 4943-95, Safety of Information Technology Equipment (Including Electrical Business Equipment) (standard for China, equivalent to IEC 60950) AS/NZ 60950.1 Information Technology Equipment, Safety Part 1: General Requirements (Australia)
Compliance	Emission: 47 CFR Part 15 Class A CISPR22 Class A EN300386 Class A EN55022 Class A EN61000-3-2 EN61000-3-3 VCCI Class I AS/NZS CISPR 22 Class A Immunity: CISPR24 EN300386 EN50082-1 EN55024 EN61000-6-1

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