

Internet Service Management Device (ISMD)



An Internet Service Management Device that Performs Application-Level Bandwidth Management, Multi-Homing Load Balancing, and Firewall

Multi-functional internet service management device helping oversee - your internet connection to the world.

Internet accesses play a crucial role in the day-to-day operation of modern enterprises because of the ubiquity of the Web. Past experiences suggests most of the performance and reliability problems of Internet connectivity took place at the edges of the Internet, most likely between inter-ISP peering links or ISP-customer premise links. Therefore the Internet access links of an enterprise should be closely monitored and carefully managed.

Internet Service Management Device (ISMD) is designed to fill this role. In particular, it provides two main functions: application-level traffic shaping and multi-homing load balancing. ISMD consists of three components, a hardware appliance as the core engine, a Java-based Network Management Interface (NMI), and an Archive Server (AS) that supports long-term traffic statistics storage and query.

More specifically, ISMD provides the following features:

- Top ten bandwidth usage list and per connection statistic display in real time.
- Outbound and inbound load balancing and automatic fail-over using multiple access links.
- Firewall, IP MAC lock and worm detect mechanism.
- Diskless design and hardware by-pass.
- Layer 3-7 packet traffic classification and shaping, such as VoIP, Yahoo/MSN Messenger, NetMeeting, eDonkey, eMull, KaZaA, Thunder5 and other P2P.
- Support network address translation (NAT).
- Sustained link rate up to 1000 Mbps in both directions and 1,000,000 connections.
- Support for hierarchical and time-based bandwidth reservations.

Benefits

- Improve data transfer performance
- Efficient use of lower bandwidth areas
- Easy to Install
- Ease of Use

Try out ISMD today at Rether.com/ISMD or visit rether.com!

- Support ISP-based load balance.
- Embedded database provide extensive network traffic analysis reports.
- Limit on per-host and per-subnet quota.
- High availability through hardware bypassing and full redundancy.
- Centralized control mechanism can control up to 32 ISMD.
- Generalization to upstream & downstream traffic management for wireless LAN.

Technical Specifications	
<i>Main Features</i>	
WAN Link Speed	Up to 1000 Mbits/sec
Load Balance	Up to 15 WAN Links
Extensive QoS Policy Parameters	Source/Destination IP addresses/port numbers Guaranteed minimum bandwidth Maximum bandwidth allowed
Detailed Network Statistics Report	Real-time per-user network bandwidth usage Long-term usage report Miscellaneous application-level network usage
Fault Tolerance	Full hardware redundancy
Web-Based Management Interfaces	Password-protected Java-based configuration and statistics-reporting interface through Web browser, and command-line interface
Network Interface	Two 1000/100/10BASE-T(G Model) Two 100/10BASE-T(M Model) RJ-45 connectors One RS-232 DB-9 male connector
<i>Operating Conditions</i>	
Ambient Temperature	10 - 35°C
Relative Humidity	5-95% non-condensing
<i>Physical Characteristics</i>	
Form Factor	1U, rack-mountable
Height	1.75" (44.45mm)
Width	19" (482.6mm)
Depth	19" (482.6mm)
Weight	16 lb. (7.26Kg)
<i>Power</i>	
AC Voltage and Frequency	90-132, 180-264 VAC (47/63Hz)
<i>Order Code</i>	
M Model	ISMD 9/15/60/100
G Model	ISMD 350/500
Highly-Available Model	ISMD 15/60/100/350/500 ISMD 350/500

Rether Networks Inc.
25 Health Sciences Drive, Suite 206
Stony Brook, NY 11790
Tel: 631.638.1043 Fax: 631.444.8825

