

Overview

Business-critical and time-sensitive applications such as VoIP or transaction processing need guaranteed bandwidth. Vilink's 10Mbps Bandwidth Manager, ENBM-2010, offers network administrators an easy yet powerful means to allocate network resources based on business priorities, and to shape, analyze and control bandwidth usage. Expensive WAN resources are more effectively utilized, avoiding the need for costly upgrades while still meeting business priorities.

The ENBM-2010 is simple to install, with two 10/100Mbps Ethernet port for connecting to the local network and the WAN router respectively. A 16x2 character LCD panel makes installation and maintenance easier and more efficient. For bandwidth management, packets can be classified based on IP address, IP subnet and TCP/UDP port number. The device has more than 20 of the most common protocols such as H.323, Oracle, HTTP, FTP, etc. for ease of definition; the administrator can then define policies to ensure committed and maximum bandwidth levels for inbound / outbound traffic in each class. The administrator can also define three priority levels for each policy to ensure that high priority packets receive the maximum available bandwidth. In addition, each policy can have a schedule defined for when the policy is activated or inactivated in increments of 5 minutes.

The ENBM-2010 also enables administrators to effectively measure traffic on the network and provide comprehensive graphical reports about how bandwidth is being used. The administrator can view each internal host's inbound and outbound traffic or each network service's inbound and outbound traffic.

The ENBM-210 also provides a graphical report for either the top ten internal hosts or services that generate traffic. A free utility, Bandwidth Analyzer, is also provided to help you make further analysis of the bandwidth usage. This reporting system helps administrators quickly understand and reallocate bandwidth usage to an optimized level and make best use of the limited and expensive Wide-area network bandwidth. For uninterrupted Internet access, the ENBM-2010 also provides an in-box bypass function to keep your Internet service available.



Features

- ◆ *19" Rackmountable with two 10/100Mbps ports for true 100Mbps inbound and outbound throughput*
- ◆ *LCD panel for initial setup and network information display*
- ◆ *Remote configuration through web browser*
- ◆ *Supports SNMP for simplified management*
- ◆ *Transparent operation requires no changes to existing network structure*
- ◆ *Traffic classification based on IP, IP range/subnet, and TCP/UDP port range*
- ◆ *Configurable guaranteed and maximum bandwidth with three priority levels*
- ◆ *Assign daily and weekly access schedules to each individual policy*
- ◆ *Real time traffic monitoring with graphical bandwidth usage display*
- ◆ *Policy bandwidth usage report and customized reports*
- ◆ *All user connections can be recorded and uploaded to an FTP server for billing or analysis*
- ◆ *Simple backup and restore of configuration files with full SSL protection*
- ◆ *Basic firewall functions with access control by IP or MAC*
- ◆ *IP/MAC discover function finds all hosts on the LAN*
- ◆ *In-box bypass architecture ensures uninterrupted traffic flow even in the event of device failure*

Ordering Information:

Model	Description
ENBM-2010	10Mbps Bandwidth Manager



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Hardware

Connections	2 x 10/100Base-TX
RS-232 Console	Yes
Buttons	Hardware Reset, Factory Defaults
System LED	System: Power, HDD
	Network: ACT/LNK, 100 for LAN and WAN ports
Power	100~240VAC, 50-60Hz
Operating Environment	Temperature: 5-40°C Relative Humidity: 20%-90%
Dimensions	431 x 271 x 44 mm (W x D x H)
Regulatory	FCC, CE Mark

Software

Maximum Bandwidth	10Mbps
Management	Web with SSL protection
Traffic Classification	IP, IP subnet, TCP/UDP port
Bandwidth Allocation	Hierarchy of policy rules with In/Out traffic management Guaranteed and maximum bandwidth Scheduled in unit of 5 minutes 3 priorities
Advanced Report	Bandwidth Analyzer for advanced analysis Upload each user's connection data to FTP server for billing or other analysis
Firewall	Deny SYN/UDP/ICMP flood, deny port scan Access control to limit user's access rights based on IP or TCP/UDP Discard per user connection based on IP or MAC
Real-Time Report	Number of connections Internal hosts in/out traffic Service in/out traffic Top 10 hosts Top 10 services Top 50 IPs All policies bandwidth usage Customized bandwidth usage report
Other Functions	Firmware upgradeable through web NTP support Configuration backup and restore through web



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