Bandwidth Management Gateway

The BM-525 is specifically designed for SOHO networks. It has built-in one 10/100Mbps Ethernet LAN, DMZ, and WAN ports. No broadband router is required for users with only one public IP address. It also supports virtual server, Multi-DMZ, and dynamic DNS functions that are very useful for our customers to share local resources with Internet users.

For bandwidth management, packets can be classified based on IP address, IP subnet, and TCP/UDP port number. The device has more than 40 of the most common protocols such as H.323, Oracle, HTTP, FTP, and so on for easy definition. The administrator can then define policies to ensure committed and maximum bandwidth levels for inbound and outbound traffic in each class. The administrator can also define three priority levels for each policy to ensure 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 30 minutes.

Both the NAT mode and DMZ mode are supported, and therefore can maintain the existing network infrastructure without reconfiguring. The BM-525 provides policy-based firewall protection and several hacker protections to prevent hackers' attack. Besides, the comprehensive alarm and log function allow the network manager to easily enhance the security of local network.

KEY FEATURE

- One 10/100Mbps LAN, DMZ, and WAN ports

- NAT mode and DMZ mode

- DMZ mode requires no changing for the original network structure

- Traffic classification based on IP, IP range/subnet, and TCP/UDP port range

- Guaranteed and maximum bandwidth with three levels of priorities

- Policy-based bandwidth management

- Assign daily and weekly access schedule to each individual policy

- Professional Monitor function includes Log, Accounting Report, Statistics, and Status

- MRTG-like Traffic Statistics, easy to trace and analyze

- Multi-Servers Load Balancing

- Dynamic DNS and DHCP server functions

- Content Filter includes URL, Script, P2P, IM, and Download blocking

- Hacker Alert and Anomaly Flow Detection

- Virtual Server and IP mapping (Multi-DMZ Host)

- Multi-language Web UI and easy to manage

- User authentication based on user name and password

SPECIFICATION

Product	Bandwidth Management Gateway	
Model	BM-525	
Hardware		
Connections	WAN	1 x 10/100Base-TX
	LAN	1 x 10/100Base-TX, Auto-MDI/MDI-X
	DMZ	1 x 10/100Base-TX, Auto-MDI/MDI-X
Button	Reset button fro hardware reset / factory default	
System LED	PWR, WAN, LAN, DMZ	
Power	12V DC, 1.5A	
Operating Environment	Temperature: 0~50°C	
	Relative Humidity: 5%~90%	
Dimension W x D x H	230 x 150 x 40 mm	
Regulatory	FCC, CE Mark	
Software		
Maximum Controlled Bandwidth	25Mbps	
Maximum Controlled concurrent session	20,000	
Management	Web UI	
Operation Mode	DMZ_NAT, DMZ_Transparent, NAT	
WAN connection type in NAT mode	PPPoE, DHCP, and Fixed IP	
Traffic Classification	IP, IP subnet, TCP/UDP port	
Bandwidth Allocation	Policy rules with Inbound/Outbound traffic management	
	Guaranteed and maximum bandwidth	
	Scheduled in unit of 30 minutes	
	3 Priorities	
Log	Traffic Log, Event Log, Connection Log, Log backup by mail or syslog server	
Statistics	WAN port statistics and policy statistics with graph display	
Firewall Security	Policy-based access control	
	Stateful Packet Inspection (SPI)	
	Scheduled in unit of 30 minutes	
Hacker Alert and Anomaly Flow Detection	Detect SYN Attack, Detect ICMP Flood, Detect UDP Flood, Detect Ping of Death Attack, Detect Tear Drop Attack, Detect IP Spoofing Attack, Filter IP Route Option, Detect Port Scan Attack, Detect Land Attack, Virus-Infected Blocking, E-Mail Alert Notification, NetBIOS Notification	
Alarm	Traffic alarm for user-defined traffic level	
	Event alarm for hacker attack	
	The alarm message can sent to administrator by e-mail	
Other Functions	Firmware Upgradeable through Web	
	NTP support	
	Configuration Backup and Restore through Web	
	Dynamic DNS support	
	Multiple NAT and multiple DMZ (mapped IP) support	
	Multiple server load balancing	

APPLICATIONS

SOHO Bandwidth Management

If your xDSL or Cable Internet connection may have only one public IP address and would like to share it with all LAN users, the PLANET bandwidth management gateway, BM-525, is capable of meeting your need.

The BM-525 has built-in NAT function. No more broadband router is required since BM-525 provides all the broadband router functions in addition to the bandwidth management function.
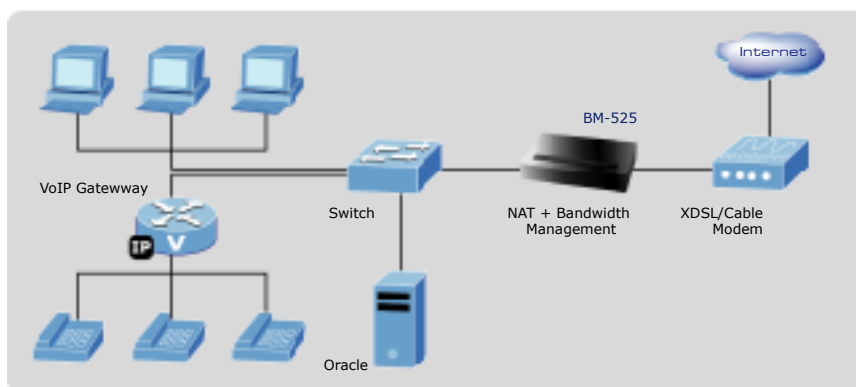
ORDERING INFORMATION

BM-525	Bandwidth Management Gateway