Bandwidth Management Gateway

- Four 10/100Mbps Ethernet ports include two WAN and one LAN and DMZ ports
- NAT mode and DMZ mode
- 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
- QoS Quota per Session and Quota per Day
- Outbound load-balancing function includes by Auto, Round-Robin, Traffic, Session, Packet, Source IP, and Destination IP
- 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
- Authentication function includes authentication user/group, RADIUS, POP3, and LDAP.
- Backup Accounting Report for Outbound and Inbound traffic

The BM-2101 is specifically designed for SMB networks. It has built-in four 10/100Mbps Ethernet ports include two WAN and one LAN and DMZ 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 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 and DMZ mode are supported, and therefore can maintain the existing network infrastructure without reconfiguring. The BM-2101 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.

SPECIFICATION

Product	Bandwidth Management Gateway

Model	BM-2101
Hardware Specification	
Connections WAN	2 x 10/100Base-TX
LAN	1 x 10/100Base-TX, Auto-MDI / MDI-X
DMZ	1 x 10/100Base-TX, Auto-MDI / MDI-X
Console	1 x RS-232 (DB-9)
H / W Watch-Dog	Auto reboot when detecting system fail
Software	
Maximum Controlled Bandwidth	100Mbps
Maximum Controlled Concurrent Session	241,000
Management	Web (English, Traditional Chinese, Simplified Chinese)
Operation Mode	DMZ_NAT, DMZ_Transparent, NAT
WAN Connection Type In NAT Mode	PPPoE, DHCP, and Fixed IP
Traffic Classification	IP, IP subnet, and TCP / UDP port
Bandwidth Allocation	Policy rules with Inbound / Outbound traffic management
	Guaranteed and maximum bandwidth
	Scheduled in unit of 30 minutes
	3 Priorities
	Quota per Session and Quota per Day
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	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

SMB Bandwidth Management Gateway

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-2101, is capable of meeting your need. The BM-2101 has built-in NAT function. No more broadband router is required since BM-2101 provides all the broadband router functions in addition to the bandwidth management function.

Internet

ADW-4401   ADW-4302

RADIUS Server

PC

Bandwidth Management Gateway BM-2101

WGSW-2840

Transparent Mode
DMZ Web Server

PC   PC   PC

Authentication Not Pass   Not Setting QOS   QOS 200Kbps   QOS 150Kbps   Authentication

ORDERING INFORMATION

BM-2101	Bandwidth Management Gateway (2 x WAN, 1 x LAN, 1 x DMZ)

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