

## ADVERTORIAL ON PROLINK MH8021/MH8041 PC MAG SINGAPORE JULY 2004 PG 21

**PROLINK®**  
Challenge The Limit

### WHAT IS MULTI-HOMING?

If you have ever wondered what the advantages of Multi-Homing are, read on. Simply put, Multi-Homing means having multiple connections to the Internet. There are two basic types of Multi-Homed organizations.

The first is an organization which has connections at more than one point of presence, and has internal links between these sites. The second is an organization which has a connection to at least one other Internet Access Provider.

There are many reasons your organisation might benefit from a Multi-Homing Router on its Network. These could include:

- Businesses rely more and more on the Internet
- Multiple points of connection to the Internet is fast
- Network is protected in case one of the Internet link or access router fails
- Distributing the load through multiple connections optimizes the performance
- Significantly decreases Internet waiting times
- Multi-Homing is able to perform Load-Balancing by lowering the number of computers connecting to the Internet through any single connection.

determines that the connection is down, it will reroute all data through one of the other routers.

Reasons to look at the PROLINK MH8021/MH8041 Multi-Homing Load Balancing Broadband Router:

- It provides 2/4 10/100Mbps Ethernet ports (WAN port) and one 10/100 Mbps Ethernet port (LAN port)
- WAN port - Connect to broadband ADSL modem or Cable modem for user and far end to download or upload data in high speed.
- Families with multiple PCs could share one ISP account
- Play exciting games against each other through the Multi-Homing Router
- Supports Load-Balancing and Bandwidth Usage Control feature.
- Can be called Multi-Homing SOHO Gateway, Multi-Homing Ethernet Router or Load Balance Router

- All router features supported
- DoS On: 31Mbps
- DoS Off: 38Mbps

#### Router Mode

- To connect to network server
- NAT function disabled
- Act like multi-LAN port router
- Best speed: 90Mbps

#### Basic NAT Mode

- Simple NAT function
- No IP filtering
- No DoS
- Good Speed: 48Mbps

The System Data Monitor is another useful feature that gives Real Time Data Status, WAN/LAN current, WAN / LAN Data Counter, DoS Defense, Bandwidth Usage Control, Control WAN Port bandwidth, Limit protocol packet bandwidth usage, and up to seven protocol packets can be controlled

#### IP Filtering:

The Broadband Router allows you to restrict or block access to outgoing IP packets by protocol (number). You may restrict some IPs only to perform limited protocols or allow them to execute partial protocols.

#### Remote Configure

The router can be managed from any PC on the Internet. If the user enables "remote configure" function in the menu display, access to the Web-based interface is available via the INTERNET. If not enabled, access is only available to PCs to LAN.



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Load Balancing allows a router to take advantage of multiple best paths to a given destination, and is important for computer networks where distributing processing and communications activity evenly across a computer is unpredictable.

Therefore, in other words, Multi-Homed networks are often connected to several different ISPs (Internet Service Providers). Each ISP assigns an IP address (or range of IP address) to the company. Multi-Homing really makes a difference if one of the connections to the ISP fails. As soon as the router assigned to connect to that ISP

Important Features and Benefits that the PROLINK MH8021 and MH8041 offer include:

- They allow multi-user to use with single user account at the same time
- A Web Based configuration tool (192.168.1.254)
- Different Work Modes
- A Data Monitor
- Multiple DMZ Hosts
- Multiple Virtual Servers
- Multiple NAT functions
- IP Binding Function
- Bandwidth Usage Control
- Remote Configuration through the Internet
- Load Balancing
- Mail Alerts

The three different Working Modes include Gateway Mode, Router Mode and Basic NAT Mode. Basically, these offer the following capabilities:

#### Gateway Mode:

- Default working mode



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