

PROLiNK®

Challenge The Limit

MH8021 / MH8041

Multi-Homing Load Balancing Broadband Router

PROLiNK's MH8021/MH8041 Multi-Homing Load Balancing Broadband Router is a WAN and failover router, which also can be known as Multi-Homing SOHO gateway. It provides 2 WAN (MH8021) or 4 WAN (MH8041) port for ADSL or cable modem. Users can enjoy traffic load sharing and load balance of multiple ADSL/Cable link, in order to avoid single link failure. It also provides many key features like VoIP Pass-Through, VPN Pass Through, multiple DMZ host supported, MIPS with 150MHz, dynamic DNS supported and lots more..



MH8041:
4 x WAN, 1 x LAN



MH8021:
2 x WAN, 1 x LAN



**Product picture is only for reference only.
Product outlook may be subjected to change without prior notice*

- 2 WAN/4 WAN Ports
- Dynamic Routing with RIP I, RIP II
- Supports Multiple DMZ Host
- VPN Pass-Through
- VoIP Pass-Through
- System Data Monitor
- Dynamic DNS Support
- Protocol Bandwidth Control
- WAN IP Convert
- MIPS with 150MHz
- DHCP Server/Client
 - Load Balance Mode by Bytes, Session
 - Bandwidth Usage Allocate
- Firmware Upgrade via HTTP Web-Based Download, TFTP Client/Server

MH8021/MH8041

Multi-Homing Load Balancing
Broadband Router



Specifications

Hardware

WAN Port:

- *4 x 10/100M port (4 x WAN Router)
- *2 x 10/100M Port (2 x WAN Router)
- *Auto-sensing (RJ45)
- *802.3/802.3u, Auto MDI/MDIX

LAN Port:

- *1 x 10M/100M
- *Auto-sensing (RJ45)
- *802.3/802.3u, Auto MDI/MDIX

CPU: MIPS with 150MHz

Memory:

- *Flash: 2M bytes
- *DRAM: 16M bytes

Indicators (5 LEDs):

- *MH8021 *MH8041
- LAN -LAN
- WAN1 -WAN1
- WAN2 -WAN2
- POWER -WAN3
- ALARM -WAN4

Reset Switch:

- *Push to load factory default value or back to latest configuration file

Power:

- *DC 5V/2.8A
- *External Switching Power
- *Adapter with full range 110V~220VAC input

Software

In Bound or Out Bound Load Balance:

- *Provides 3 working modes:
 - Session
 - Weight round robin
 - Traffic

Protocol:

- *TCP/IP, UDP
- *ARP, BOOTP
- *ICMP
- *Routing Protocol
- *DHCP Client/Server
- *FTP, TFTP
- *Telnet
- *PPPoE

VPPa pass Through: IPSEC, PPTP

Routing Protocol Static Route, RIP 1, RIP 2

Dynamic DNS: Supports dyndns.org

Working Mode:

- *Router mode:
 - Works as a router with 5 different LAN (4 x WAN), 3 different LAN (2 x WAN)
 - PPPoE not supported
- *Gateway mode: All functions enabled
- *Basic NAT mode: All functions supported except IP packet filtering & DoS Defense

Security:

- *DMZ Host
- *Multi-NAT/NAPT
- *PAP/CHAP
- *Virtual Server Mapping Support
- *Internet Access Control:
 - Packet filtering based on Port & Address
 - Supports Messenger, Real Audio & Cu-See-Me

Firewall:

- *DoS (Denial of Service) protection includes:
 - Active port scan
 - TCP SYNC flood
 - ICMP flood
 - IP source route option detection
 - IP spoofing
 - Ping of death
 - IP fragment overlap
 - UDP flooding
 - PING oversteer
 - Ping Enable/Disable

Mail Alert:

- *WAN up, WAN down, DoS attack & System Log full
- *Supports Proxy Server

System Timer:

- *NTP (Network Time Protocol), Use PC local time
- *System Log: Local event logging

DHCP Server/Client:

- *DHCP Server can reserved up to 253 IP
- *Supports up to 512 users

Load Balancing mode: By bytes, session

Firmware Upgrade: HTTP web-based download/FTP

Configuration File:

- *On line display configuration file
- *Saves & restores configuration into PC

Remote Configure: Configure router through Internet

Management

WAN Port:

- *MAC Address Clone:
 - Up to 4 WAN port (MH8041)
 - Up to 2 WAN port (MH8021)

WAN IP Converts

- *WAN port can connect to different IP domain gateway

Dial On Demand & Auto Disconnection (PPPoE):

- *Up to 4 WAN port (MH8041)
- *Up to 2 WAN port (MH8021)

Healthy Check:

- *Up to 4 WAN port (MH8041)
- *Up to 2 WAN port (MH8021)
- *Check WAN port link & ADSL link
- *Automatically switch packet to well-connect line from broken line

Scheduling Control:

- *Up to 4 WAN port (MH8041)
- *Up to 2 WAN port (MH8021)
- *Set up each WAN port Connect/ Disconnect automatically

IP Binding:

- *Specific destination IP address plus port number through dedicated WAN port

Special IP Assignment:

- *Specific destination IP or local IP address through dedicated WAN port, Route path control by IP

Special Port Assignment:

- *Specific destination port number address through dedicated WAN port, Route path control by port number

VoIP Pass Through: Supports H.323 ALG

Probal Bandwidth Control:

- *Dynamic allocate bandwidth for specific protocol in each WAN port to avoid link congestion

QoS:

- *Limit specific application bandwidth & WAN port route path
- *Limit specific User bandwidth & WAN port route path

Show Configuration: Can show all router settings in display

Backup & Restore: Router configuration file can be back up to PC or restore to ROUTER from PC

System Data Monitor: Show each WAN port bandwidth usage And traffic status

Management

LAN Port:

- *DMZ (De-Militarized Zone): Supports multiple DMZ

Multi-NAT:

- *User definable
- *Up to 10 different LAN segment IP can be define at LAN port

Virtual Server:

- *Bi-direction virtual server
- *Local virtual server pass through
- *Supports group virtual server setting mode
- *LAN users can use WAN IP to reach virtual server

Temperature:

- *0 ~ 40°C (operation)
- *-10 ~ 60°C (storage)
- *Dimensions: 180mm (W) x 160mm (D) x 50mm (H)
- *Weight: Under 600g
- *Humidity: -10 ~ 95% RH
- *ESD: +/- 4KV

Certification: FCC, CE

Ordering Information:

- *MH8021 (2 WAN, 1 LAN)
- *MH8041 (4 WAN, 1 LAN)

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