# Gigabit Multi-Homing VPN Security Router

Appropriate Network Security Solutions

As Internet becomes essential for business, the crucial solution to preventing your Internet connection from failure is to have more than one connection. PLANET MH-3400 is a **Gigabit Multi-Homing VPN Security Router** ideal to help the SMBs increase the broadband network performance and reduce the risks of potential shutdown if one of the Internet connections fails. The MH-3400, supporting Multi-Subnet interface with Multi-VLAN function, allows users to easily divide network into different sections based on applications, such as VoIP, web or ftp server, or user groups.
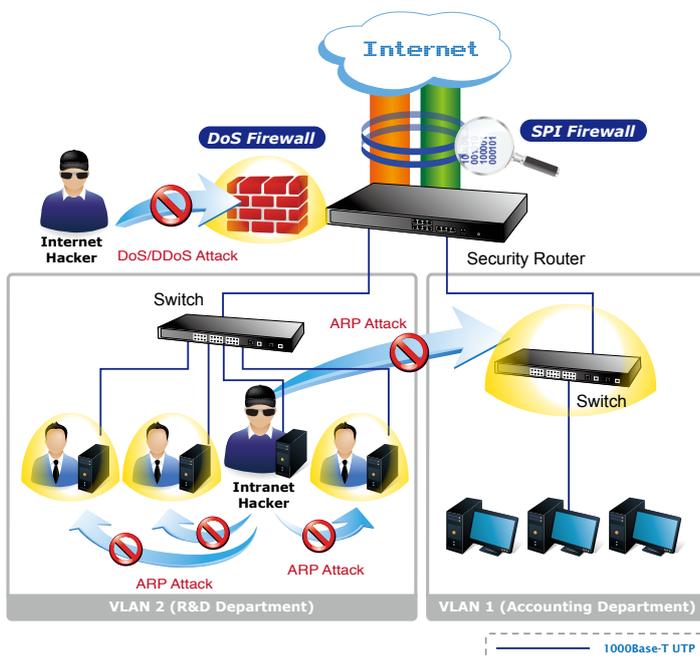
Cost-effective IPv6 Managed Router Solution for SMBs

Faced with the increasingly large number of IP cameras and Wireless APs being installed and deployed in all kinds of applications, more and more network equipment comes with IPv6 protocol for next generation networking. The MH-3400 supports both the original IPv4 network structure as well as the new IPv6 protocol. With easy and friendly management interfaces and plenty of management functions included.

Physical Port

- 1~2 x 10/100/1000 Base-T RJ-45, configurable with LAN 1 (Mirror Port)
- 3~4 x 10/100/1000 Base-T RJ-45, configurable with WAN 4 (WAN 4 / LAN2 / DMZ)
- 1 x USB 2.0 Host for 3G/3.5G Internet Access

Multi-WAN Function

- Inbound / Outbound Load Balance: by session and by IP
- Bandwidth expansion with 3~4 Gigabit WAN ports
- Multi-WAN auto line backup

IP Routing Feature

- Dynamic Route RIP v1/v2
- Static Route

Bandwidth Management

- Smart QoS
- Session Limit
- Port-based QoS
- QoS Schedule

Firewall Security

- Stateful Packet Inspection(SPI) Firewall
- Denial of Service (DoS) prevention
- IP & Port Filtering
- Block Website by Keyword, Content Filter
- Firewall Detection: Ping of Death, SYN Flooding, Land attack, IP Spoofing
- Supports DMZ to protect your network: DMZ Host
- Prevents ARP Attack on LAN

VPN Feature

- Configure Concurrent Tunnels: 200 IPSec + 60 PPTP or other combinations within the memory's limitation
- Supports up to 2 Groups of VPN
- IPSec, PPTP Passthrough

Improving Network Efficiency with Load Balancing

Moreover, the MH-3400 allows you to perform load balancing by distributing the traffic through three or four WAN connections. In Outbound Load Balancing, the network sessions are assigned based on the user configurable load balancing mode, including "Auto Load Balance", and "Unbinding WAN Balance". Users can also configure which IP or TCP/UDP type of traffic to use when connecting to a WAN port. The Inbound Load Balancing is for enterprise's internal server. The Inbound Load Balancing can reduce the server loading and the risks of system crash so that the MH-3400 helps to improve the server working efficiency.
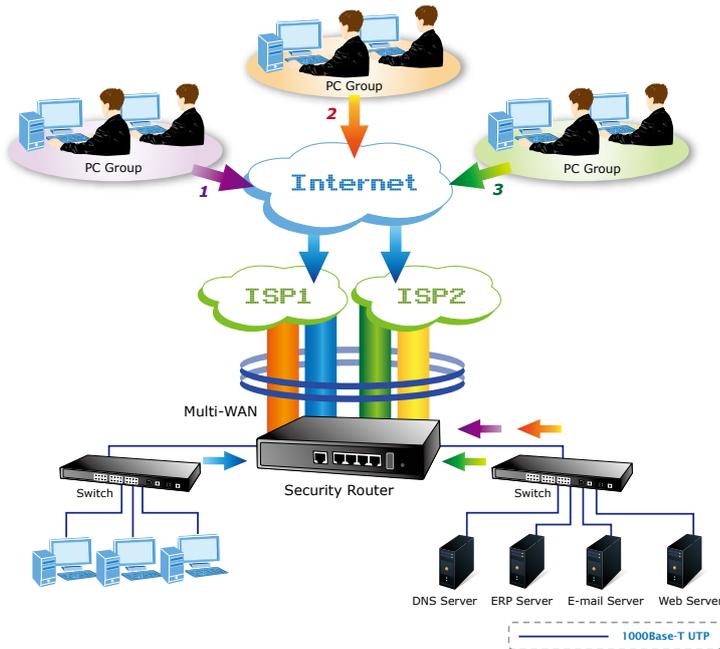
Strong Protection for Network Security

In addition to a multi-homing device, the MH-3400 provides a complete security solution in one single box. The policy-based firewall, content filtering functions and **VPN connectivity** with **3DES** and **AES** encryption make it a perfect product for your network security. No more complicated connections and settings for integrating different security products on the network are required.

VPN *Encryption for*
Network Security and Data Protection
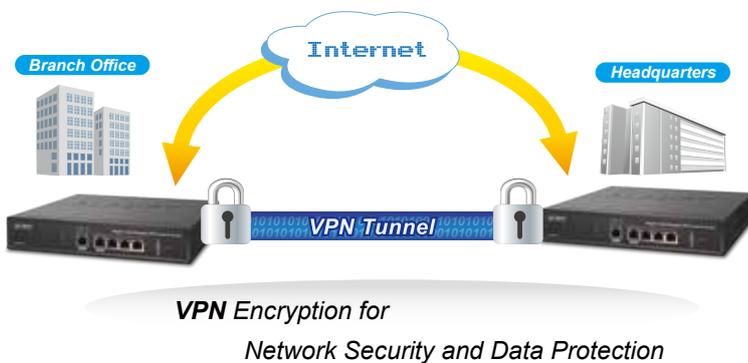
Networking

- DHCP Server (supports class C)

- Multiple DHCP Servers support multiple Subnet (supports 4 sets of Class C)

- PPPoE / Static IP / DHCP Client

- Protocol: TCP/IP, ARP, ICMP, FTP/TFTP, IPv4, IPv6

- NAT with popular ALG support

- Port forwarding

- DNS Relay

- DDNS: supports DynDNS, 3322, No-IP

- Password protected configuration or management sessions for web access

- Port Management – Speed / Duplex / Auto Negotiation

- VLAN Tagging (802.1Q) / Port VLAN

- Transparent Bridge

3G USB Support

- 3G/3.5G Internet Access

- Automatic fail-over and load balancing between 3G and WAN

- Auto / manual throughput and time calculation mechanism for cost or dial-on

- Throughput measurement

- APN and PIN code support

Network Management

- Comprehensive web-based management and policy setting

- SNMP v1/v2c (IPv4 only)

- Monitoring, logging, and alarms of system activities

- Firmware upgrade through Web browser

QoS Bandwidth Management

Besides offering easy yet powerful bandwidth management functions, the MH-3400 features Smart QoS with dynamic bandwidth management to automatically control P2P, video downloading and other bandwidth hogging in order to avoid bandwidth insufficiency. It also helps the network administrators better allocate network resources based on business priorities, as well as to shape and control bandwidth usage by prioritizing different persons/groups or applications in bandwidth use.
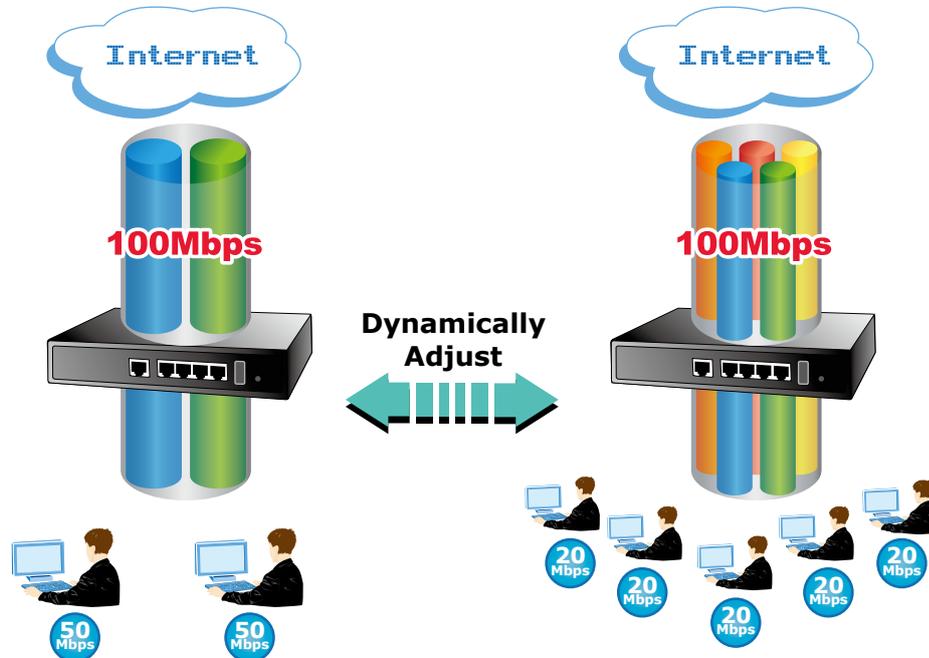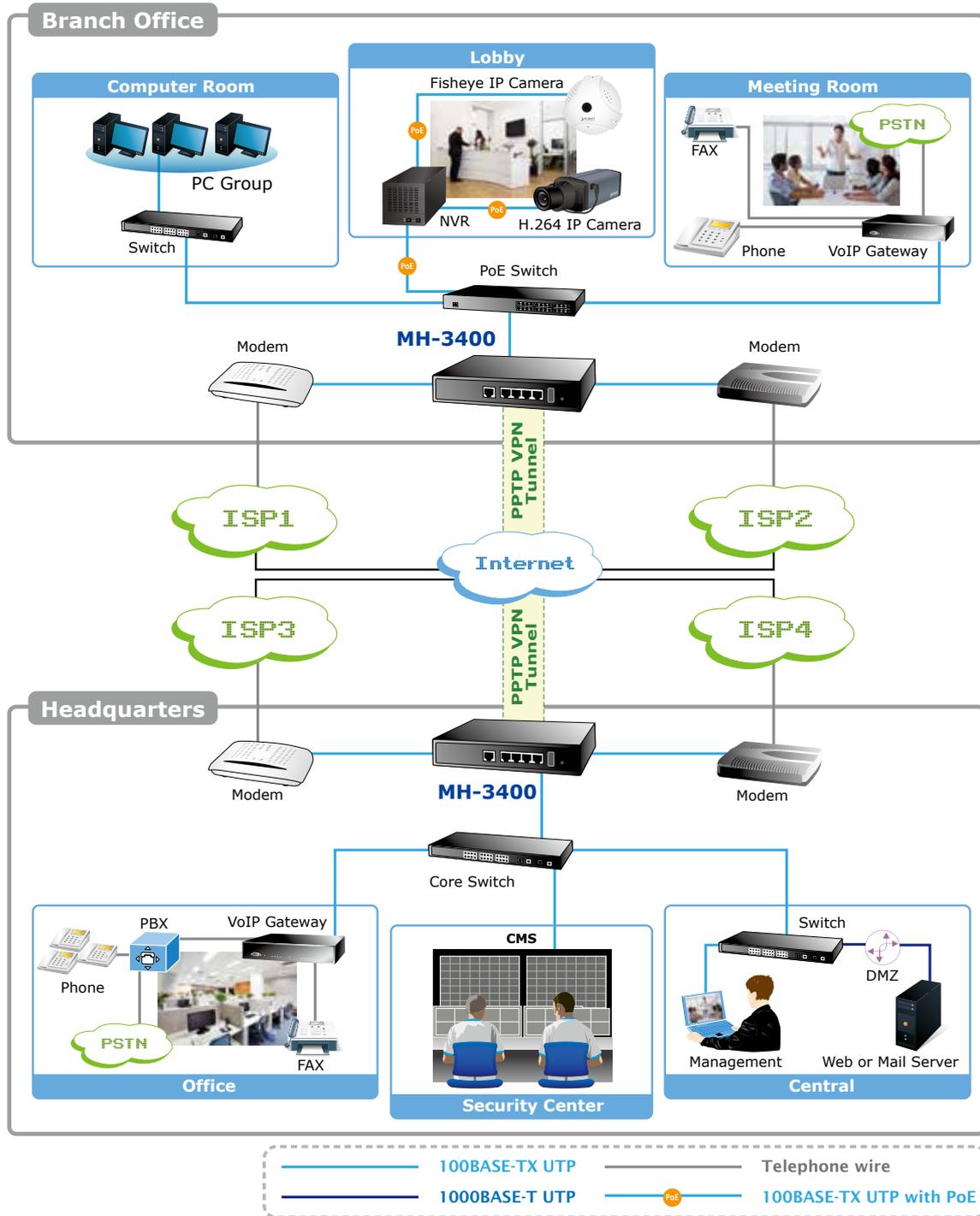

Applications

PLANET Multi-Homing VPN Security Router, the MH-3400, has the powerful firewall functions like SPI Firewall DoS prevention. Providing IPSec and PPTP VPN solutions, the MH-3400 offers the secured data communications for branches, vendors, and/or mobile workers a flexible way to connect back to the headquarters.
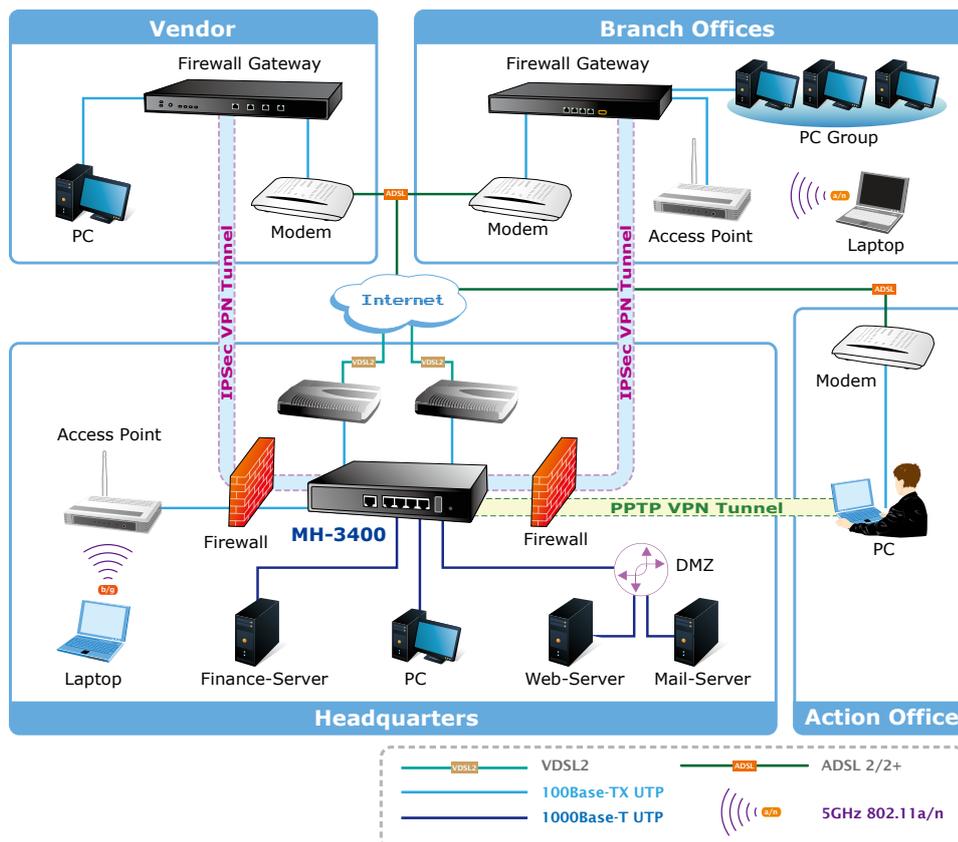
The MH-3400 can connect multiple WANs by different ISPs. It can create a stable and qualified VPN connection for many important applications such as VoIP, video conference and data transmission.

Branch Office

Computer Room

PC Group

Switch

Lobby

Fisheye IP Camera

FAX

NVR   H.264 IP Camera

PoE Switch

Meeting Room

PSTN

Phone   VoIP Gateway

Modem   **MH-3400**   Modem

PPTP VPN Tunnel

ISP1

Internet

ISP2

ISP3

ISP4

Headquarters

Modem   **MH-3400**   Modem

PPTP VPN Tunnel

Core Switch

Office

PBX   VoIP Gateway

Phone

PSTN

FAX

Security Center

CMS

Central

Switch

DMZ

Management   Web or Mail Server

100BASE-TX UTP		Telephone wire
1000BASE-T UTP	PoE	100BASE-TX UTP with PoE

Specifications

Model	MH-3400		
Hardware			
Ethernet	LAN	1~2 x 10/100/1000Mbps RJ-45, configurable with LAN 1 (Mirror Port)	
	WAN	3~4 x 10/100/1000Mbps RJ-45, configurable with WAN 4 (WAN 4 / LAN2 / DMZ)	
	DMZ	1 x 10/100/1000Mbps RJ-45	
Button	Reset	1 x Reset button for reset to factory default setting	
	Power	1 x Power on/off switch	
USB	1 x USB 2.0 Host		
Operating Environment	Temperature: 0 ~ 50 degrees C Relative Humidity: 10~85% (non-condensing)		
Dimensions (W x D x H)	240 x160 x 44 mm		
Power	100~240 VAC, 50~60 Hz, max 0.5A		
Regulatory	FCC Class B, CE		
Software			
Multi-WAN Function	■ Inbound / Outbound Load Balance: by session and by IP ■ Protocol Binding ■ Network Service Detection		
Routing	■ Dynamic Route RIP v1/v2 ■ Static Route		
System Performance	■ Concurrent session: 50000 ■ Firewall performance: 1Gbps ■ Corporation size: SMB (clients 200~250) ■ 3DES performance: 154Mbps		
Bandwidth Management	■ Session Limit ■ Smart QoS ■ Port-based QoS ■ QoS Schedule		
Firewall Security	■ NAT ■ One-to-One NAT ■ Multiple-to-One NAT ■ Stateful Packet Inspection (SPI) Firewall ■ Denial of Service (DoS) prevention ■ IP & Port Filtering ■ Block Website by Keyword, Content Filter ■ Firewall Detection: Ping of Death, SYN Flooding, Land attack, IP Spoofing ■ Email Alert for Hacker Attack ■ IP&MAC Binding ■ DMZ Host ■ Prevents ARP Attack on LAN		
Networking	■ Configurable DMZ ■ DHCP Server (supports class C) ■ Multiple DHCP Server (supports 4 sets of Class C) ■ PPPoE / Static IP / DHCP Client ■ LAN MAC Clone ■ Multiple Subnet (Max. 30 sets) ■ Protocol: TCP /IP, ARP, ICMP, FTP/TFTP, IPv4, IPv6 ■ NAT with popular ALG support ■ Port Forwarding ■ DNS Relay ■ DDNS: supports DynDNS, 3322, No-IP ■ Password protected configuration or management sessions for web access ■ Port Management – Speed / Duplex / Auto Negotiation ■ VLAN Tagging (802.1Q) / Port VLAN ■ Transparent Bridge		
USB Feature	■ 3G/3.5G Internet Access ■ Automatic failover / load balancing between 3G and WAN ■ Auto / manual throughput and time calculation mechanism for cost or dial-on demand (Cellular cost Control) ■ Signal strength display on front panel ■ Throughput measurement ■ APN and PIN code support		
Network Management	■ Comprehensive web-based management and policy setting ■ SNMP v1/v2c (IPv4 only) ■ Monitoring, logging, and alarms of system activities ■ Firmware upgrade through Web browser		

Hardware			
VPN Support	VPN Tunnel		■ 200 IPSec VPN Tunnels / 60 PPTP VPN Tunnels.
	IPSec VPN		■ IPSec H/W acceleration ■ Supports up to 2 Groups of VPN ■ Friendly VPN Tunnel Management ■ IKE: Pre-Shared keys ■ IPSec Encryption DES / 3DES / AES128 / AES192 / AES256 ■ IPSec Authentication MD5 / SHA1 ■ PMTU ■ NAT Traversal (NAT-T) ■ Connect on Demand ■ DPD detection ■ VPN Hub ■ IP by DNS resolved ■ View Log ■ IPSec, PPTP Passthrough

Ordering Information

MH-3400	Gigabit Multi-Homing VPN Security Router

Related Products

XRT-401F	4-Port LAN + 1-Port WAN Broadband Router
CS-2001	UTM Content Security Gateway
CS-5800	Gigabit Content Security Router
SG-4800	Gigabit SSL VPN Security Router

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