

ROUTER

Dual WAN 4-Port Firewall Router



FR24



Get Connected With Hawking

- Instantly Build a Broadband DSL/Cable Network
- Build-in 4-Port 10/100M Switch
- Dual WAN Port for 2 x DSL/Cable connections
- Never lose your connection again
- Denial of Service (DoS) attack protection
- On-board URL Content Filtering
- Virtual Private Network (VPN) connection
- Auditing of browsing & attack activities
- High-speed Broadband internet sharing up to 254 users connection
- Compatible with ALL standard Internet applications
- Easy Web-based setup and use
- Easy TFTP Firmware upgrades via network
- Free Tech Support.



Instantly Build a Dual Broadband Network In your Home or Small Office

Hawking's FR24 Dual WAN Firewall Router provides cost-effective, high level security for Small Office and Home Office (SOHO) users sharing two high-speed DSL/Cable internet connection with true, hardware-based firewall protection. The FR24 provides two WAN ports to double your traffic space and keep you connected in case one of the connections goes down. It's like taking a one lane freeway and changing it into two lanes. When one lane gets filled, the other lane opens allowing for flow over traffic to move without being slowed down. The FR24 is designed with the advanced Stateful Packet Inspection Firewall technology to prevent Denial of Service (DoS) attacks such as Ping of Death/Teardrop, SYN Flood/LAND Attack, Smurf Attack, IP Spoofing, Port Scan, etc. from outside intruders. It also provides Internet content filtering capability (URL or URL keywords) that allows parents to be worry-free about kids surfing on the net. The Logs and Alert features will audit browsing activities and notify you immediately via email when your network is attacked. The VPN (Virtual Private Network) Pass-through feature allows you to have fast, reliable and secure access to your corporate network via a public Internet network.

Share your Broadband DSL/Cable Connection With Advanced Firewall Features

The FR24 is packed with features. It utilizes Dynamic NAT (Network Address Translation) to expand your existing network without affecting existing IP schemes. This router not only works with the most Always-on and PPPoE (Point-to-Point Over Ethernet Protocol) DSL connection but also with Cable Modem Connections. It is designed with a high performance processor and an integrated 4-port 10/100M auto-sensing, auto Cross over switch that allows you to share up to 254 users using a single ISP user account to reduce your total network cost. It also supports DMZ (De-Military Zone) Host and Port Mapping technology to allow you to host Web, Email and FTP servers. That's not all. The FR24 has a built-in DHCP (Dynamic Host Configuration Protocol) Server for your LAN and DHCP Client for your WAN. Therefore there is no need to configure each IP address. Managing the FR24 is simple as well. The Web-based management makes it easy to configure from anywhere using a web browser. This Router can easily be firmware upgraded using your Web Browser or TFTP. Furthermore, it is compatible with all standard Internet applications.

Package Contents:

- One Dual WAN 4-Port DSL/Cable Firewall Router
- One AC power adapter
- 3.5" setup diskette
- Easy to follows owner's manual

Systems Requirement:

Network Software Requirements

- Windows 95/98/NT/2000/ME/XP or
- Any TCP/IP-enabled system such as Mac OS or UNIX

Network Hardware Requirements

- IEEE 802.3 10Base-T or
- IEEE 802.3u 100Base-TX

DSL/Cable Modem Requirements

- DSL modem with RJ-45 (10Base-T) or Cable modem with RJ 45 (10Base-T)

Ready, Network & Go!

It's easy to setup, it's easy to use, and everyone can use it. Plugs in and installs in minutes.

Steps 1 – Connect modem

Connect DSL/Cable Modem 10Base-T's Port to the Router's first WAN port. If you have another Cable/DSL line, you can connect it to WAN port #2.

Step 2 – Configure LAN

Connect the Router's LAN port to your computers, 10/100 Hub or Switch.

Step 3 – Configure it

Run Windows-based Setup program or Web Browser to set Router's IP Address and DNS Address. IP & DNS address provided by your ISP.

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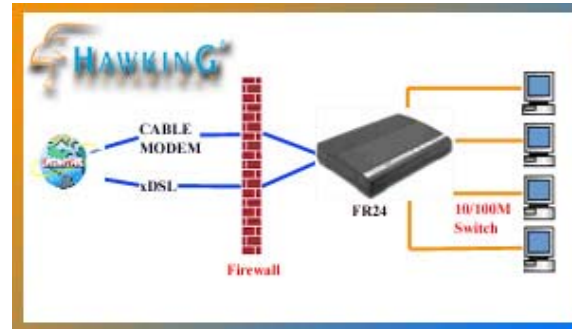
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Network Diagram:



Specification:

WAN Interface: Two IEEE 802.3 10/100M RJ45 Port

LAN Interface: Four Auto-sensing 10/100M RJ45 Ports

LEDs: LAN, WAN 1, WAN 2 and Link/Activity

Dimensions

6 5/8" L x 4 1/4" W x 1 1/8" H
(168 L x 108 W x 28.5 H mm)

Weight: 9 oz

Power: External 12VDC, 1A

Certification

FCC Class A, CE Mark
UL and CSA listed

Operation Temp.

32°F to 122°F (0 °C to 50 °C)

Storage Temp.

-4°F to 158°F (-20°C to 70°C)

Operation Hum.

10% to 85% non-condensing

Storage Hum.

5% to 90% non-condensing

Features	
WAN	
Dual WAN Ports	WAN2 activates when WAN1 is disconnected or reaches the set threshold
Broadband Connection	Static-IP, PPPoE DSL and Cable Modem
IP Multicast Support	Yes (Forwarding)
Firewall	Stateful Packet Inspection (SPI)
Denial of Service	SYN Flood/LAND, Ping of Death/Teardrop, IP spoofing, Smurf Attack, WinNuke, Port Scan, NetBIOS attacked

VPN Support	PPTP & IPsec Pass Through
LAN	
Protocol Support	TCP/IP/ DHCP, RIP I & II, NAT, Dynamic DNS, SNTp
TCP/UDP Port Mapping	32 (Local Server Mapping)
Multi DMZ Host	16 (Multi NAT/Many to Many NAT)
Network Access Control	64 LAN-to-WAN rules 64 WAN-to-LAN rules Forward, Discard, Log, HTTP Inspection Internet Access Monitor
Network Management	System Event Log, Email Alert
Content Filtering	10 Website URL Blocking Java Applet, Active X, Cookie, Web Proxy Blocking
MANAGEMENT	
Management Interfaces	Web browser, Telnet (menu driven)
Software Upgrade	Web Browser, TFTP
Remote Management from WAN	YES (Enable/Disable)
Respond to Ping from WAN	YES (Enable/Disable)
Tools	Ping (from router) Save/Restore configuration to the file
HARDWARE	
WAN Ports	2 x 10/100Mbps RJ45 ports
LAN Ports	4 x 10/100Mbps RJ45 ports, Auto Cross Over
Switch	Store and Forward
Certification	FCC Class A, CE Mark, UL and CSA listed

Ordering Information:

FR24 – Dual WAN Firewall Router w/4-Port Switch
 PN9239 4-Port DSL/Cable Router w/10/100 WAN
 PN9230 1-Port DSL/Cable VPN Router
 PN9245F 4-Port DSL/Cable Firewall Router

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