

USR8200 Firewall/VPN/NAS

Powerful. Simple. Network protection.



The Need

Information: Securing, Sharing, Storing

Typically organizations have had to install a variety of products to facilitate these three critical requirements for their data. Firewalls, VPN services, routers and file servers were all necessary components of the solution . . . until now.

The U.S. Robotics USR8200 Firewall/VPN/NAS was developed as an integrated solution that provides all of those capabilities, and more.

This paper outlines how the USR8200 Firewall/VPN/NAS secures your network and information while providing centralized storage and controlled information distribution.

USR8200 Firewall/VPN/NAS – Practical Applications

Designed to be an efficient solution to a variety of data connectivity needs, the USR8200 Firewall/VPN/NAS delivers a bundle of capabilities unique in the industry. To provide a real world understanding how this product would satisfy a variety of needs, the applications will be applied to the hypothetical Max's Realty, a residential and commercial property sales and management firm.

Rock-Solid Firewall

Challenge: Digital photography and contact management applications have changed the way realtors do business. The ability to quickly capture a property's key attributes, share the photos broadly and share key contact status and history shortens the sales cycle and improves profits. Max's Realty installed broadband service to provide faster access to digital multiple listings, but they limited it to one dedicated PC because of concerns with security and staff wasting time surfing inappropriate web sites.

Answer: The USR8200 Firewall/VPN/NAS provides the **secure Internet sharing** capability they are looking for. Connect the broadband modem (cable or DSL) to the WAN port, and immediately you can share the connection. With the addition of Ethernet switches or a wireless Access Point, it can connect up to 253 PCs and other Ethernet devices.



This **high-performance Stateful Packet Inspection (SPI) firewall** has three standard settings (maximum, typical and minimum) to simplify setup, but has a powerful array of tools for customizing settings to meet specific requirements. It includes Application Level Gateways that can be set to allow specific applications access (like AIM) and provides protection against Denial of Service and Distributed Denial of Service attacks.

And, if the staff is spending too much time on nonproductive web sites, it includes the ability to block them. Just input the web address, and the router will determine the IP address (or addresses) and deny access.

Implications: Max's Realty is now sharing a broadband connection with appropriate restrictions and powerful security. And with **no user license requirements**, this is an extremely cost-effective solution.

Virtual Private Networking (VPN)

Challenge: Max's Realty implemented broadband in their two sales offices, primarily to facilitate rapid downloading (and uploading) of on-line property listings, complete with digital photos and 3D walkthroughs. They have now begun to use scanning technology to file and retrieve legal documents, and want to use the Internet to move those documents between offices and even allow their power brokers access from home and on the road. Secure remote connections have become a major concern.

Answer: Implementing a **Virtual Private Network (VPN)** will provide Max's Realty with secure, encrypted communications among all locations. The USR8200 Firewall/VPN/NAS supports a wide variety of secure VPN solutions, including industry standard IPsec and PPTP.



Implications: For no additional expense Max's Realty can implement secured connections using their existing Internet connectivity. Max's road warriors can also VPN into the network from wireless "hot spots" (coffee shops, airports and other locations that provide wireless Internet connections) assuring the entire firm's important data is accessible when and where needed. Not only do they have an industrial strength, secured branch connectivity solution, but also industry standard IPsec or PPTP security for their Teleworker solution. With **support for up to 253 IPsec tunnels**, this is a solution that can grow as their business grows.

Network Attached Storage (NAS)

Challenge: Realizing that files and data are most useful in an organization when they are accessible on a network, many organizations have begun to take advantage of the inherent capabilities of their operating systems to share hard drives. This has limitations in terms of security, accessibility (the machines must be left on for others to access) and expandability. With the need to store and provide access to an ever-growing number of digital photos and even digital walkthroughs of the properties they manage, Max's Realty was nearing a decision to install a dedicated file server.

Answer: The USR8200 Firewall/VPN/NAS is an extremely efficient storage solution. With an **Integrated File Server** and three ports for connecting hard drives (USB 2.0 (2) and FireWire (1)) central server functionality can be installed in minutes. PCs will easily recognize the drive(s) on the network or even externally by implementing the **FTP server capability** that is also built in.



U.S. Robotics also offers two Storage Drives (120 GB and 250 GB) that conveniently stack with the router for an elegant, space saving solution. The storage drives feature both USB 2.0 and FireWire ports allowing you to choose your connection method.

FireWire connections allow you to daisy chain, or serially connect multiple drives to meet your expansion needs well into the future. You can also add a USB 2.0 hub to support three or more USB drives. And each of the drives can be assigned user rights specific to individual access requirements.

Implications: Centralized, shared storage is available to all authorized employees at a fraction of the cost of a dedicated server solution. Storage capacity is now virtually unlimited and can be added incrementally without taking a server out of service.

Bottom Line

The U.S. Robotics USR8200 Firewall/VPN/NAS provides an enormous amount of critical functionality to customers' networks at a value point that should be hard to resist. Security, convenience and flexibility in a product that solves real customer problems.

U.S. Robotics®

Protect
Ready. Set. **Connect.™**