Verizon FiOS Router

MI424WR GigE

Verizon continues its string of impressive technological advances with the introduction of its FiOS Router GigE. This "Smart Home Gateway" packs in more features and performance capabilities that any other broadband wireless router on the market. It combines a powerful 1.2GHz ARM CPU with Gigabit Ethernet WAN and LAN interfaces, 802.11b/g/n 2x2 WiFi, and MoCA, allowing support of home networking at speeds of up to 1Gbps and facilitating transmission of digital entertainment and information content to multiple devices in the home.

A Powerhouse, Able to Stream Multiple Videos Concurrently

The FiOS Router sets a new industry standard for performance, increasing service speeds up to 1 Gbps wired (with Gigabit Ethernet interface) and 300 Mbps wireless, thanks to its new 802.11n wireless chipset. This allows the FiOS Router to easily meet the needs of today's increasingly sophisticated consumer market. Able to support multiple value-added, bandwidth-intensive applications, this broadband wireless router has become more than just a simple router. It can handle multiple high-throughput media streams simultaneously, including standard and HDTV-based video programming and feed personal video recording functionality from multiple HD set top boxes or other digital storage devices to multiple TVs in the house. It can also administrate most Internet activities including parental controls, online gaming, music, live sports, children's entertainment and on demand movies. The Verizon FiOS Router also supports Ethernet and Wi-Fi as well as coax networking, and it allows telcos to assign bandwidth priorities for data, video on demand and voice over IP traffic to ensure quality of service in triple and quad play environments.

Built for Applications, Not Just Data

Verizon's FiOS Gigabit Ethernet Router features an advanced hardware design featuring a powerful 1.2GHz ARM CPU, complete with an integrated hardware packet processing engine which enables wire speed packet processing capability while minimizing CPU time required to route traffic. This hardware engine, combined with ample 128MB DDR3 RAM and 128MB FLASH, provides an excellent platform to host a wide variety of applications which can be leveraged to extend the device's capabilities into the future.
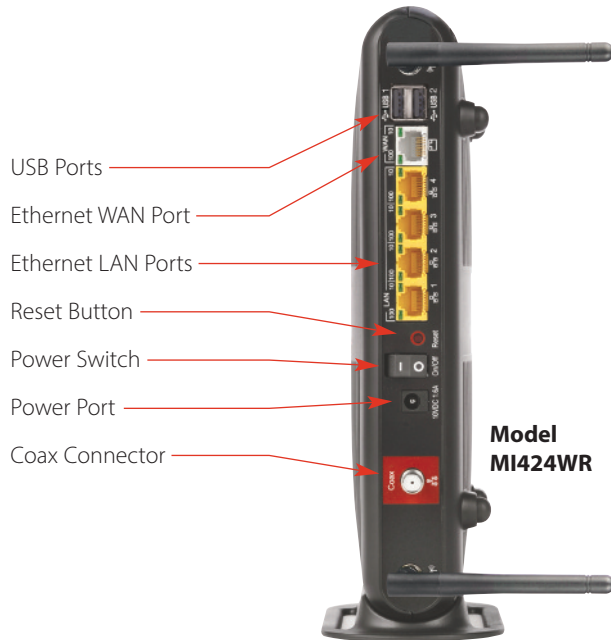
Substantial Protection and Security

With all that data coming in, the security features had better be first rate, and the Verizon FiOS Router doesn't disappoint. The FiOS router ships with wireless encryption using WPA2 turned on by default. The FiOS router offers enterprise-level security, including a fully customizable firewall with Stateful Packet Inspection, denial of service protection, and intrusion detection to keep unwanted visitors from accessing the user's network. The Verizon FiOS Router also offers user-defined site blocking by URL and keyword, the ability to customize filtering policies for each computer, and user notification of attempted access to restricted sites.

Simple Diagnostics to Identify Issues

As for reliability, the FiOS router can nearly claim to "heal itself." Using its new self-diagnostic ability, the Router reports errors it uncovers and posts a Web note via the user's Internet browser, which displays the problem's error code, a short description of the problem, and clear steps about how to initiate a repair. If the problem is too involved or technically arcane for the user to solve, the Router provides a tech support number, so that the user can speak to a technical expert who can then provide additional assistance. Also, this self-diagnosis can be scheduled on a regular basis by the user (at 2 a.m. daily, for instance), so that it doesn't interfere during periods of high network activity.

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Ports at Rear of Unit

USB Ports
Ethernet WAN Port
Ethernet LAN Ports
Reset Button
Power Switch
Power Port
Coax Connector

Model MI424WR

Features

- **Interfaces**
    - Four 10/100/1000 BaseT Ethernet LAN
    - One 10/100/1000 BaseT Ethernet WAN

- **Wireless**
    - 802.11n
    - 802.11 b/g
    - One SSID (Multiple SSID available upon request)
    - WPS
    - WMM, WMM PowerSave (available upon request)
    - Wireless Security
        - Wi-Fi Protected Access (WPA, WPA2)
        - WEP, TKIP encryption
        - 802.1x authentication
        - Pre-Shared Key (PSK)
        - MAC Address Filtering
        - Automatic Channel Selection (ACS) during boot-up
        - Dynamic ACS (available upon request)

- **Remote Management**
    - User-enable Remote Management
    - TR069 Carrier Remote Management
    - TR064 Local Management

- **Advanced Security**
    - Firewall
    - Stateful Packet Inspection
    - NAT
    - Website Blocking
    - Web Service Blocking
    - URL Keyword-Based Filtering
    - Customizable Filtering Policies per Computer
    - Denial of Service (DOS) Protection
    - Demilitarized Zone (DMZ)
    - Intrusion Detection
    - IP Protocol Filtering

- **QoS Support**
    - Diffserv
    - 802.1p/q Prioritization
    - Configurable Upstream/Downstream Traffic Shaping
    - Pass-through of WAN-side DSCPs, PHBs & Queing to LAN-side devices
    - Prioritization via DHCP options

- **Advanced Features**
    - DHCP Server Option
    - DHCP Server/PPPoE Server Auto Detection
    - DNS Server
    - Fast Path Packet Acceleration (Hardware and Software)
    - Full Bridge Device Control
    - LAN IP & WAN IP Address Selection
    - MAC Address Cloning
    - Port Forwarding, Port Triggering
    - PPPoE Support
    - IGMP v1, v2, v3 (available soon)
    - MAC Address Filtering
    - IGMP proxy and snooping
    - Static Routing/Static NAT
    - Self Diagnostics/Self Healing

- **Future Applications**
    - Home Automation via Z-Wave
    - Home Monitoring
    - DECT
    - Storage

- **Min. Sys. Requirements**
    - PC or Macintosh with Ethernet or 802.11b/802.11n wireless connection or MoCA connection.
    - Internet Explorer 7.0+, Safari, Firefox