

MI424WR GigE Router

Actiontec's "Smart Home Gateway" packs in more features and performance capabilities than any other broadband wireless router on the market. It is the first device to feature a dual-core, 64-bit processor, upgraded to include Wireless N support, that allows it to support home networking speeds up to 1 Gbps (when equipped with Gigabit Ethernet interface) and permits digital entertainment and information content to be transmitted and distributed to multiple devices in the home.

A Powerhouse, Able to Stream Multiple Videos Concurrently

The MI424WR 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 MI424WR 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 Actiontec MI424WR 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.

The Industry's First Dual-core 64-bit Processor

Actiontec's MI424WR router features an advanced hardware design including an industry-first 64-bit, dual core processor. The router's 64-bit architecture provides a substantial performance improvement over the 32-bit devices sold today. The MI424WR router's MIPS core offers further performance improvement and additional instructions for networking applications reducing the number of cycles needed for even greater CPU efficiency.

Additionally, the Actiontec MI424WR Router features hardware-level Quality of Service (QoS) with eight input channels and eight output channels. This innovative design frees the CPU for other bandwidth needs, and ensures that providers can deliver multiple high quality video streams without any dropped frames, frozen frames, or other performance issues that can degrade IP video services.



Model # MI424WR
GigE

Substantial Protection and Security

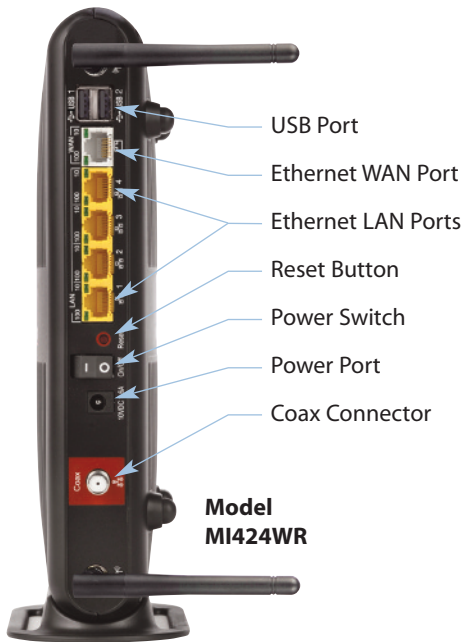
With all that data coming in, the security features had better be first rate, and the Actiontec MI424WR Router doesn't disappoint. The MI424WR router ships with wireless encryption using WPA2 turned on by default. The MI424WR router offers enterprise-level security, including a fully customizable firewall with Stateful Packet Inspection, denial of service protection, and intrusion detection to keep unwanted visitors from accessing the user's network. The Actiontec MI424WR 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 MI424WR 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.

MI424WR GigE Router

Ports at Rear of Unit



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)
 - AES, 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 & Queuing 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

Corporate Office

760 N. Mary Avenue
Sunnyvale, CA 94085

Main: (408) 752-7700

Sales Info: (800) 797-7001

Fax: (408) 541-9003

Tech Support: (888) 436-0657

Tech Support Fax: (719) 522-9421

Internet: www.actiontec.com

© 2011 Actiontec Electronics, Inc. Actiontec, Actiontec Installation Buddy, Creative Solutions for the Digital Life, and the Actiontec logo are trademarks or registered trademarks of Actiontec Electronics, Inc. in the U.S. or other countries. All other names are properties of their respective owners. Product photo may differ from actual product, however functionality remains as stated above. Specifications are subject to change without notice.

DS1086/0909

www.actiontec.com

www.actiontec.com