Actiontec® Creative Solutions for the Digital Life™

Pair Bonded Wireless N VDSL2 Modem Router

with Auto Fallback to ADSL 2+/2



Model# Q2000

One of the most Powerful Routers Built

The Q2000 is one of the most robust routers available today. With its new, powerful wireless N radio, gigabit Ethernet switch, high speed processor and capacious amounts of memory (32MB Flash, 64 MB SDRAM), the Q2000 can simultaneously support a wide range of demanding multimedia applications, including HDTV, standard TV, Voice over WiFi, media sharing, and online gaming.

Universal Flexibility

The Q2000 is the only Router your company needs to offer – even with legacy multi protocol DSL networks. The Q2000 supports both pair bonded and single line VDSL 2 and single line ADSL 2+.

Pair Bonded Rate and Reach

Delivers the extended reach and high bit rates of pair bonded VDSL 2 + to support HD IPTV and other high bandwidth applications.

Gigabit Ethernet Built In

To further add to the Router's Power, Gigabit Ethernet is available on the LAN or home networking side. Supporting speeds up to 1000 Mbps, you can watch online videos or podcasts, download large files or move massive amounts of data with no problems, no hiccups, and no sweat.

802.11n Wireless Built In

The Router supports 802.11n out of the box, with backward compatibility to older wireless protocols, combining flexibility with power. Also included is MIMO (Multiple Input Multiple Output) technology, which further improves your wireless experience by offering better whole home coverage and fewer dead spots.

Backward Compatible to ADSL 2+/2

While it runs on the VDSL 2 access technology, it also features an "Auto Fall Back to single-line ADSL2+/2" option, which allows it to operate on the ADSL 2+ and ADSL 2 access technology. Simply stated, there's no need to buy one device today, and another tomorrow, which means less SKUs for you, and less inventory.

Manages Entire Home

With all these capabilities at your fingertips, the Router can perform multiple operations throughout your home. Move files from one device to another, play music in another room, or enjoy gaming anywhere you want. The Router can handle it.

Downloadable Applications using Java

The Wireless N VDSL Modem Router has the option to include a Java Virtual Machine and Java Runtime Software. Capable of hosting a number of Java applications, the Router, in combination with this feature, allows you to make more options available to your customers (home automation or enhanced security, to list only a couple of options) in a modular fashion; that is, rather than having to implement sweeping changes via a full-scale firmware update, you can use Java to selectively update customer units with revenue-generating applications.

Robust Firewall and Wireless Security

The wireless-enabled gateways support WEP, WPA, and WPA2 encryption. Unique IDs are assigned to each wireless gateway to prevent hacking. The Q2000 includes a fully customizable firewall with Stateful Packet Inspection, denial of service protection, content filtering, intrusion detection, WPA/WPA2 and WEP wireless encryption to keep unwanted visitors from accessing your network.

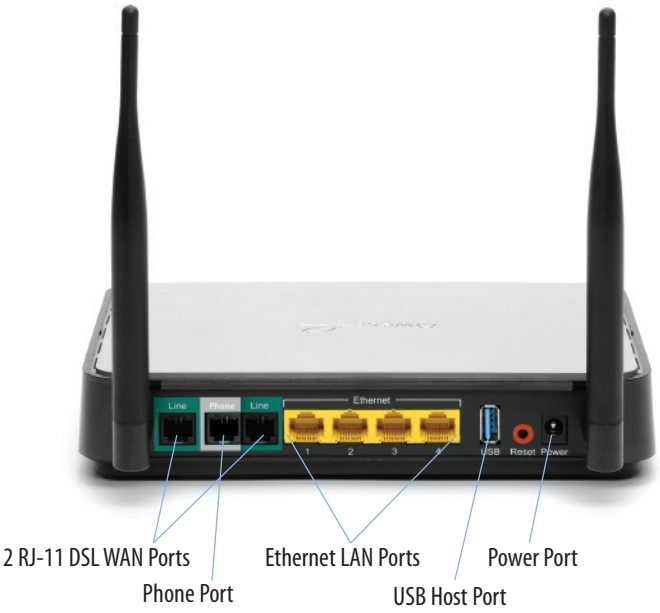
TR-069 Support and Remote Management

The Q2000 equips technical support staff with unparalleled remote management and troubleshooting powers to provide superior customer experience and support.

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Pair Bonded Wireless N Universal VDSL2/ADSL2+ Modem Router

with Auto Fallback to ADSL2+/2



Other Features

WAN Interfaces
- Two RJ-11 VDSL/ADSL 2 lines
- One RJ-11 VoIP Port

LAN Interfaces
- Four 10/100/1000 Gigabit Ethernet Ports
- USB Host Port

Wireless
- 802.11 b/g/n
- 2x2 MIMO
- External RADIUS Server Support
- Multiple SSID
- WPS
- WMM, WMM PowerSave (available upon request)
- Wireless Security
  - Wi-Fi Protected Access (WPA, WPA2)
  - WEP, TKIP, AES encryption
  - 802.1x authentication
  - Pre-Shared Key (PSK)
  - MAC Address Filtering

Remote Management
- User-enabled 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
- Parental Control
- Customizable Filtering Policies per Computer
- Internet Traffic Logging
- 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
- Randowm Early Detection
- 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
- 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

Future Applications
- Home Automation
- Home Monitoring
- DECT
- Storage

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

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