



## VT2000 Series Voice Gateways

### Add Voice over IP to your broadband life.

Easy to use and simple to install, Motorola's VT2000 Series Voice Gateways unlock the potential of telephone service over broadband connections for home users and small businesses alike. Enhance your home network and enjoy high-quality Voice over IP with Motorola's VT2000 Series Voice Gateway products.

Just attach a VT2000 Series Voice Gateway to a broadband modem through the built-in Ethernet port and plug in a standard telephone. In no time at all, you can be surfing the Web and talking on the phone—all using the same Internet connection.

The VT2000 Series products are portable and plug into any broadband connection. They provide up to two lines of traditional analog telephone service over a cable or DSL link. Voice traffic is prioritized over Internet traffic, giving you high-quality voice calls even while browsing the Web. The VT2000 Series also offers rich CLASS features for enhanced telephony services such as caller ID.

The **VT2000 Voice Gateway** economically extends your existing home data network to support voice services. With one Ethernet port for connecting a broadband modem, one for connecting a PC or hub, and essential routing features such as Network Address and Port Translation (NAPT) and support for Virtual Private Network (VPN) pass-through, the VT2000 Voice Gateway is an ideal choice for low-cost VoIP.



The **VT2400 Advanced Voice Gateway** adds advanced routing features and four Ethernet LAN ports, allowing you to connect multiple PCs without the need for a stand-alone hub or router. The VT2400 also includes a firewall to help protect your network against external attacks.



The **VT2500 Wireless Voice Gateway** offers all the features of the VT2400, with the added convenience of a built-in 802.11b/g wireless access point for wireless access to broadband services. It eliminates the need for stand-alone routers, hubs, and access points and provides a single platform for connecting telephones and PCs to a broadband link.



### HIGHLIGHTS

- Enables the delivery of up to 2 lines of robust, full-featured telephone service
- Voice-over-data prioritization allows users to talk on the phone while using the Internet without a reduction in voice quality
- Supports VPN pass-through for remote access to enterprise applications
- Eliminates the cost and clutter of stand-alone routers, hubs, and wireless access points
- Portable and can plug into any broadband connection (cable or DSL)
- Plug-and-play installation
- Compact, low-profile design
- Easy, Web-based configuration
- Supports the Session Initiation Protocol (SIP) for managing call signaling
- Supports all CLASS services (caller ID, call waiting, three-way calling, etc.)

To view our full line of Broadband Networking Products, visit our Web site at [broadband.motorola.com/consumers](http://broadband.motorola.com/consumers)

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## Technical Specifications

### TELEPHONY

2 RJ-11 ports for 1 or 2 telephone lines  
T.38 or g.711 for fax send-and-receive  
Adaptive jitter buffer  
Optional PSTN failover

### CLASS SERVICES SUPPORTED

Call waiting, caller ID, call blocking, 3-way conference calling, call forwarding, etc.

### CODECS SUPPORTED

g.711 (A-law and  $\mu$ -law), g.726, g.726 (reverse nibble) g.729ab, g.729e, g.723.1, g.728

Simultaneous low-rate codec operation for 2 or more concurrent call legs

### LINE LENGTH

5 REN over 1000 ft (max.)

### ROUTING

#### VT2000/2400/2500

NAPT; DMZ; port forwarding;  
VPN pass-through

#### VT2400/2500

Firewall with stateful packet inspection  
Dynamic port triggers  
Parental controls

### QUALITY OF SERVICE

#### VT2000/2400/2500

Proprietary algorithm for managing voice and data traffic  
Diffserv and VLAN tagging for WAN segment

#### VT2500

802.11e WMM/WME for wireless QoS

### SESSION INITIATION PROTOCOL

SIP RFC 2543/3261 compatibility  
Extensive support for SIP methods and extensions  
STUN, TURN, and outbound proxy support for NAT traversal

Interoperable with a multitude of network architectures

### MANAGEMENT

HTML-based user configuration interface via the LAN port

Remote diagnostics via syslog

Remote management via telnet and SNMP MIBs

### PROVISIONING

TFTP or HTTPS for remote provisioning and software downloads

MD5 authentication

RC4 encryption

DHCP, static IP, or PPPoE

### WIRELESS (VT2500)

802.11b/g; WiFi certified

### INTERFACES

1 WAN 10/100Base-T Ethernet

1 PC/LAN 10/100Base-T Ethernet (VT2000)

4 PC/LAN 10/100Base-T Ethernet (VT2400/2500)

### POWER

12 VDC

### INDICATORS

Power, data activity, and voice status LEDs

### PHYSICAL DIMENSIONS

1.6 in (H) x 5.5 in (W) x 6.5 in (L)

### REGULATORY APPROVALS

CE, UL, FCC, and CB

### ENVIRONMENTAL

#### OPERATING TEMPERATURE

32° F to 113° F (0° to 40° C)

#### STORAGE TEMPERATURE

-40° F to 149° F (-40° C to 65° C)

#### OPERATING HUMIDITY

5 to 95% relative humidity (non-condensing)

0° F to 95° F (0° to 35° C)

#### STORAGE HUMIDITY

95% relative humidity

### SYSTEM REQUIREMENTS

Cable or DSL broadband access

VoIP telephone service

PC with Ethernet port and Web browser (for configuration)

### WHAT'S INCLUDED

1 Ethernet cable

Power supply and cord

Vertical mounting stand

User manual

Be advised that any services provided through this equipment are not intended to replace or be a substitute for primary line voice services or Plain Old Telephone Service (POTS) and are not meant to provide guaranteed 911 or E911 services or to permit access to 411 directory assistance services. Your service provider, not Motorola, is responsible for the provision of VoIP telephony services through this equipment. Motorola shall not be liable for, and expressly disclaims, any direct or indirect liabilities, damages, losses, claims, demands, actions, causes of action, risks, or harms arising from or related to the services provided through this equipment. Important: Be aware that you will not be able to make any calls using this VoIP device if your broadband connection is not functioning properly. You will also not be able to make any calls using this VoIP device if you have lost electrical power.