



## VT1000 Voice Terminal

### Get Connected

#### Enjoy high quality Voice-over IP with Motorola's VT1000 Voice Terminal.

With the VT1000, you can experience feature-rich phone service using your cable modem or DSL connection. The VT1000 voice terminal allows you to use traditional phones to make calls over the Internet through a broadband phone service provider. Even better, you can watch TV, surf the Net, and talk on the phone all at once. And save money!

The Motorola VT1000 Voice Terminal lets you make telephone calls over your broadband Internet connection. Its powerful Digital Signal Processor (DSP) encodes and decodes analog voice signals to and from your regular telephone. Making calls over a broadband connection not only delivers a reliable, high quality sound, it may also help you take advantage of cost-effective bundled features like flat rate long distance, call waiting, caller ID, call forwarding, online voice mail, and message waiting indicator, to name a few.

The VT1000 Voice Terminal integrates seamlessly into any home network. Don't have a home network? Don't worry: the VT1000 also acts as a router, so you can talk on the phone and surf the Internet at the same time!

#### BENEFITS:

- Delivers high-quality telephone service
- Allows users to surf the Net and talk on the phone at the same time
- Works with broadband cable or DSL modems
- Supports up to two separate telephone lines
- Also supports fax machines and dial-up modems
- Easy to install
- Supports CLASS features
- Portable — plugs into any broadband connection

#### FEATURES:

- Two 10/100Base-T Ethernet ports for WAN and LAN interface
- Voice over Data prioritization ensures high-quality telephone service
- Two RJ-11 telephony ports
- Routing with Network Address Port Translation (NAPT)
- PPPoE support for DSL connectivity
- Works with cable or DSL modems
- Support for VPN pass-through
- Session Initiation Protocol (SIP) for managing call signaling
- Support for G.711 and low-rate vocoders
- Compact, low-profile design
- Easy Web-based configuration

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# TALK2MEMOTO



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intelligence everywhere™



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## Technical Specifications

### TELEPHONY

2 RJ-11 ports for 1 or 2 telephone lines  
Line type – 2 wire  
Hook State Signaling – loop start  
Maximum line strength (one-way) – 5 REN over 1000 ft.  
Threshold Off-hook (line seizure)  $Rdc \geq 1000 W$   
Threshold On-hook (line release)  $Rdc \geq 10000 W$   
 $Rdc$  DC Supervisory Range  $Rdc \geq 450W$   
DTMF Level Sensitivity Range 0 and -20 dBm  
Speech Coding G.711 64 kbps PCM,  $\mu$ -law or A-law as well as support for various low rate vocoders  
Line Termination configurable based on market needs  
Loss Plan Receive (D/A 4 dB/transmit) (A/D) 2 dB  
Loss Plan Tolerance (one-way)  $\pm 1dB$   
60/50 Hz Loss (referenced to off-hook loss at 1004 Hz)  $>20dB$   
Ringing Wave Form Quasi-trapezoidal  
Ringing Crest Factor  $1.2 \leq CF \leq 1.6$   
Ring Trip (Max) 200ms with 300W termination

### PHYSICAL DIMENSIONS

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

### REGULATORY APPROVALS

CE, UL, FCC and CB

### SESSION INITIATION PROTOCOL

SIP RFC 2543/3261 compatibility

Extensive support for SIP methods and extensions

Interoperable with a multitude of network architectures

### MANAGEMENT

HTML-based user configuration interface via LAN port

Remote diagnostics via syslog

Remote management via telnet and SNMP MIBs

### PROVISIONING

TFTP for remote provisioning and software downloads

MD5 authentication

RC4 encryption

DHCP, static IP, or PPPoE

### INTERFACES

1 WAN 10/100Base-T Ethernet

1 PC/LAN 10/100Base-T Ethernet

### POWER

12 VDC

### INDICATORS

Power LED

### ENVIRONMENTAL

#### OPERATING TEMPERATURE

32° F to 104° F (0° C 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

### WHAT'S INCLUDED

VT1000 Voice Terminal

Power supply

One Ethernet cable

User guide

### SYSTEM REQUIREMENTS

Broadband Internet access (cable, DSL, or other) with Ethernet (RJ45) port

Voice-over IP (VoIP) telephone service

Web-enabled PC with 10/100Base-T Ethernet port (for configuration)

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.