



VT1000v Series Voice Terminal

Get Connected

High speed Internet access *and* telephone service, all from one device? You got it.

With the Motorola Voice Terminal, you can enjoy a feature rich phone service using your cable modem or DSL connection. The VT1000v series voice terminals allow 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!

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
- 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 modems
- Support for VPN pass-through
- Session Initiation Protocol (SIP) for managing call signalling
- Support for G.711 and low rate vocoders.
- Compact, low-profile design
- Easy Web-based configuration

WHAT'S INCLUDED:

- VT1000v Series Voice Terminal
- Power supply and cord
- One Ethernet cable

SYSTEM REQUIREMENTS:

- Broadband Internet access (cable, DSL or other) with Ethernet (RJ-45) port
- Voice over IP telephone service
- Web-enabled PC with a 10/100 BaseT Ethernet port (for configuration)

TALK2MEMOTO

Continued on back



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TECHNICAL SPECIFICATIONS

INTERFACES

WAN

10/100Base-T Ethernet (auto sensing)
RJ-45 Port

PC

10/100Base-T Ethernet (auto sensing)
RJ-45 Port

TELEPHONY TERMINATION

1 or 2 RJ-11 Ports

ETHERNET DATA RATE

10 and 100 Mbps, full- and half-duplex

INPUT POWER

12 VDC

INDICATORS

Power LED

PHYSICAL DIMENSIONS

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

REGULATORY APPROVALS

CE, UL, FCC and CB

TELEPHONY

LINE TYPE

2 Wire

HOOK STATE SIGNALING

Loop start

MAXIMUM LINE LENGTH (ONE-WAY)

5 REN over 2000 ft.

THRESHOLD

OFF HOOK (LINE SEIZURE) Rdc \leq 1000 W

ON HOOK (LINE RELEASE) Rdc \geq 10000 W

RDC DC SUPERVISORY RANGE

Rdc \geq 450 W

DTMF LEVEL SENSITIVITY RANGE

0 and -20 dBm

SPEECH CODING

G.711 64 kbps PCM, u-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)

+/- 1 dB

60/50 Hz LOSS Referenced to off hook

loss at 1004 Hz

> 20 dB

RINGING WAVE FORM

Quasi-trapezoidal

RINGING CREST FACTOR

$1.2 \leq CF \leq 1.6$

RING TRIP (MAXIMUM)

200 mS with 300 W termination

ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE

32° F to 104° 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

To view our full line of Broadband Products,
visit our Web site at www.motorola.com/broadband/consumers

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