

Technical Specifications

V-Cube™ platform specifications

Operating system:

Linux – Redhat 7.2 -9.0 Redhat Fedora

Protocols:

SIP, H.323 (Versions 1-4), SMPP, RTP/RTCP (RFC 1889, RFC 2833), HTTP, SMTP, SNMP, LDAP, Protocol Conversion between H.323 & SIP networks.

Media capabilities:

Voice/Video/Text Streaming & Conferencing, SMS, E-mail, Fax, Instant Messaging, Presence Management.

User interfaces:

Standards-based Analog (PSTN) and IP phones, Web-based GUI, Desktop Client, Windows Messenger and Interactive Voice Response System.

Network management and administrative interface:

Web-based GUI, API set for external control and configuration, Monitoring and Administration through any Web Browser, Expert mode command line options, Web-based alarms, historical and real-time monitoring.

Security:

128 bit SSL encryption for access to V-Cube web portal. Session Border controller functionality with the ability to Proxy across NAT/Firewall. Signal and Media Authentication, IVR-based Authentication with 3rd party Databases.

future
technology,
available
now

Technical Specifications

Recommended Hardware:

Server:

Dual Xeon 2.4GHz, 2GB RAM, Raid 0 -Three 80GB SCSI Disks, Dual 1GB NIC, Redhat Linux support. Optional Multiple Network interface Cards for:

- Efficient media stream routing and multicasting across LAN segments.
- Channel bonding within the same LAN segment
- Clustering support (Gigabit port required)

Peer-to-Peer, Master-Slave and Load balancing clustering support for high availability, redundancy and fault tolerance. Load balancing clustering ensures call continuity (“Active Call Failover”) and service continuity. Centralized or Distributed Media proxies, with centralized signaling, administration and provisioning.

End user terminal minimum configuration:

(For Softphone & Web-based GUI)

1GHz or greater Pentium class PC, 256 MB RAM, Full duplex Sound Card/USB headset, Display card and headphones/Speakers - Windows 2000/XP

IP phones and gateways:

CISCO – 7940/7960/7905/7912, SIP Phones, Dlink – DPH-70/80/100H, Grandstream – Budgetone / Handytone SIP Phone, CISCO - 1700/2600/3600/ AS5300 VOIP gateways, CISCO ATA-186/188 - 2 port Gateway, AudioCodes – MediaPack Series MP102/104/108 & Mediant 2000 Series Gateways. Sipura ATA 2002 Interoperability testing with any standards based SIP/H.323 Phone/Gateway based on customer requirement, Microsoft - Windows Messenger Softphone, Vistula-UA Soft-phone (Video and Collaboration in future release)

Supported ITSPs:

Net2Phone, Deltathree, VSNL, SIFY, Martin Global, Vehtel, Reliance, Go2Call, Mediaring, Any SIP or H.323 service provider upon request.

Configuration & Capacity:

Server with Dual Xeon 2.4GHz, 2GB RAM, Raid 0 -Three 80GB SCSI Disks, Dual NIC supports 20,000 users and 10,000 calls, 500,000 BHCA. Scalable load balancing clusters for handling higher call volumes or higher number of users. Same hardware with Media handling (Conferencing, Voice Recording) supports 500 voice channels.