

## MEDIA FUNCTIONS

Feature	Specifications
<b>Voice Codecs</b>	G.711 G.723.1 AMR G.726 G.727 G.729A/B GSM-FR
<b>Echo Cancellation</b>	G.168 compliant - 32, 64 & 128 ms tails
<b>Analog and Fax Modem</b>	<ul style="list-style-type: none"> <li>Real-time fax over IP</li> <li>T.38 compliant group 3 fax relay or fall back to G.711</li> </ul>
<b>DTMF</b>	<ul style="list-style-type: none"> <li>TDM or IP side Call Progress Tones</li> <li>DTMF/MF Detection and generation</li> <li>DTMF over RTP per RFC 2833</li> </ul>
<b>Media Server Functions</b>	<ul style="list-style-type: none"> <li>10 MB On Board Announcement Storage:</li> <li>20 min. of G.711 or 200 min. of G.723.1</li> <li>Streaming record/playback with web server via HTTP</li> <li>Conferencing: Six-party conferences</li> </ul>
<b>VoIP Standards Compliance</b>	<ul style="list-style-type: none"> <li>RTP and RTCP per RFC 1889 and 1890 per RFC:3261: Session Initiation Protocol (SIP)</li> </ul>

## SIGNALING PROTOCOL SUPPORT

Feature	Specifications
<b>PSTN</b>	ISDN PRI: ETSI/ANSI-NI2, DMS, 5ESS CAS: MFC/R2 numerous country variants, MF-R1 wink start, delay dial, immediate start, programmable TCAP: MWI, INAP, IP, WIN, CAMEL, IS826, 8XX, LNP, CNAM, MAP
<b>IP</b>	IP SIP H.323

## CALL CONTROL FEATURES

Feature	Specifications
<b>Call Model</b>	<ul style="list-style-type: none"> <li>ITU Recommendation Q.1204 IN CS-2 Basic</li> <li>Call State Machine</li> </ul>
<b>Enhanced Call Routing</b>	<ul style="list-style-type: none"> <li>Connect any endpoint to any endpoint (IP or PSTN)</li> <li>Dynamic or user defined route selection</li> <li>Enhanced call route advance</li> </ul>
<b>Congestion Control</b>	Provisionable thresholds for congestion
<b>Capacity</b>	<ul style="list-style-type: none"> <li>Up to 5K VoIP to VoIP or 10K VoIP to PSTN simultaneous calls</li> <li>500K* BHCA in single or distributed multi-chassis systems</li> <li>* Assumes a typical application</li> </ul>

## APPLICATION CONTROL OPTIONS

Interface	Details
<b>SIP</b>	<ul style="list-style-type: none"> <li>• Call Control</li> <li>• Redirect</li> <li>• Refer</li> <li>• Notify</li> </ul>
<b>CCXML/VXML Web Services</b>	Version 1.0, January 2005
<b>API</b>	<ul style="list-style-type: none"> <li>• Multiple levels of call control</li> <li>• Any level of intervention from monitoring to detailed control of all call states and transactions</li> <li>• Discrete management and call control functions</li> <li>• Supports redundant links to applications with failover transparent to the application</li> <li>• SDK (Software Development Kit)</li> </ul>

## MANAGEMENT INTERFACE DETAILS

Interface	Details
<b>Interfaces</b>	<ul style="list-style-type: none"> <li>• SNMP V2: Standard MIB-2, RTP MIB</li> <li>• CLI</li> <li>• HTML GUI</li> </ul>
<b>API</b>	Application Control and Management API with SDK and sample applications
<b>Reports</b>	<ul style="list-style-type: none"> <li>• Call records</li> <li>• Performance monitoring data</li> <li>• IP and PSTN statistics</li> <li>• SNMP Agent - alarm traps and statistics</li> </ul>

## CURRENTLY CERTIFIED HARDWARE OPTIONS

Category	Details
<b>Server (Linux MontaVista 3.1)</b>	<ul style="list-style-type: none"> <li>• Dell PowerEdge 2950 Dual 3.0GHz, Dual-Core Xeon - Redundant AC Power 4GB RAM, (1) 146GB SAS HD - 24X CDRW/DVD</li> <li>• Dell PowerEdge 2950 Dual 2.66GHz, Quad-Core Xeon - Redundant AC/DC Power 4GB RAM, (1) 146GB SAS HD - 24X CDRW/DVD</li> <li>• HP DL380 G5 Dual 3.0GHz Dual-Core Xeon - Redundant AC/DC Power 4GB RAM, (1) 146GB SAS HD - RAID 0/1, DVDRW</li> <li>• HP DL380 G5 Single 3.0GHz Dual-Core Xeon - Redundant AC Power 2GB RAM, (1) 73GB SAS HD, DVDRW</li> <li>• 2RU PCI Server NEBS – AC/DC -48VDC Dual 3.2 Xeon, 2G RAM, 73G HD, DVD-ROM</li> </ul>
<b>I/O Cards</b>	<ul style="list-style-type: none"> <li>• AudioCodes PCI I/O Cards 1,2,4, or 8 Spans</li> <li>• AudioCodes cPCI I/O Cards - 2,4,8, or 16 Spans</li> <li>• Interphase PMC SS7 Card, 4 Port T1/E1/J1</li> <li>• Interphase PCI SS7 Card, 4 Port T1/E1/J1</li> <li>• Sangoma PCIExpress Card – 2, 4, 8 Port T1/E1</li> </ul>
<b>Chassis</b>	<ul style="list-style-type: none"> <li>• 1RU PDSi, 2/2 Slots, 32 Spans, 1 AC/DC Power Supply</li> <li>• 4RU PDSi, 8/6 Slots, 96 Spans, 3 AC/DC Power Supply</li> <li>• 12RU PTI, 21/16 Slots, 256 Spans, 8 AC/DC Power Supply</li> </ul>

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