

IVONA Telecom product features

	IVONA Telecom MRCP	IVONA Telecom SAPI	IVONA Telecom Asterisk						
Requirements									
CPU requirements	X86 (32/64bit), Sparc™	X86 (32/64bit)	X86 (32/64bit), Sparc™						
Recommended configurations	<table border="1"> <thead> <tr> <th>CPU, RAM</th> <th>Simultaneous TTS channels</th> </tr> </thead> <tbody> <tr> <td>Xeon® X5670@3GHz, 64bit, 8GB of RAM</td> <td>280 – 960¹</td> </tr> <tr> <td>Xeon® X5650@2.67GHz, 32bit, 8GB of RAM</td> <td>160 – 560¹</td> </tr> </tbody> </table> <p>¹ Depending on used voice/language</p>			CPU, RAM	Simultaneous TTS channels	Xeon® X5670@3GHz, 64bit, 8GB of RAM	280 – 960 ¹	Xeon® X5650@2.67GHz, 32bit, 8GB of RAM	160 – 560 ¹
CPU, RAM	Simultaneous TTS channels								
Xeon® X5670@3GHz, 64bit, 8GB of RAM	280 – 960 ¹								
Xeon® X5650@2.67GHz, 32bit, 8GB of RAM	160 – 560 ¹								
OS	Linux, Solaris™, Mac OSX™, Windows™, Windows Server™	Windows, Windows Server	Linux, Solaris™						
Interfaces	MRCP v1 (RFC 4463), MRCP v2, command line, UniMRCP™	SAPI 5, SAPI 4™, command line	Command line						
Standards compliance	W3C SSML 1.0/1.1, W3C PLS 1.0 (with IVONA extensions)	W3C SSML 1.0/1.1, W3C PLS 1.0 (with IVONA extensions), SAPI markup (with support for mixing with SSML tags)	W3C SSML 1.0/1.1, W3C PLS 1.0 (with IVONA extensions)						
Supported platforms	<ul style="list-style-type: none"> • Cisco Customer Response System, • Cisco Customer Voice Portal, • Cisco Unified Contact Center Express, • Avaya Voice Portal, • Avaya Interactive Response, • Avaya IP Office 500 VoiceMail Pro, • Genesys VoiceGenie, • Genesys Voice Portal, • VoxPilot VoiceXML MediaServer, • VoxPilot Open Media Platform. 	All SAPI compatible platforms	Asterisk versions: 1.2, 1.4, 1.6, 1.8						
Key features									
BrightVoice™: superior speech output quality	✓	✓	✓						
Languages and voices	US English (2 male, 3 female, child); British English (male, 2 female); US Spanish (male, female, child**); Spanish (male, female, child**); German (male, female); French (male, female); Polish (2 male, 3 female); Romanian (female); Welsh; Welsh English; Australian English; Italian; Dutch™; Canadian French™; Brazilian Portuguese™; Portuguese™; Icelandic™; Russian™; Korean™; Danish™; Swedish™; Japanese™; Special Effects (SFX)/Character voices								
Sampling rate	8 kHz, 22 kHz (up to 48 kHz)								
Audio formats	A-law, μ-law, PCM 16 bit mono/stereo*	A-law, μ-law, PCM 16 bit mono/stereo*	A-law, μ-law, PCM 16 bit mono						
Components	Media Server (MRCP), speech server, tools, documentation	SAPI component, tools, documentation	Asterisk plugin, speech server, tools, documentation						
Scalability by multiplying speech servers	✓		**						
Low response (start/stop and barge-in) time	✓	✓	✓						
Prosody control: volume, speed, pitch	✓	✓	✓						
User level pronunciation lexicon	✓ (with regular expression rules support)	✓	✓						
Language detection	**	**	**						
Phoneme mapping for mixed languages input	**	**	**						
Text preprocessing rules for specific domains	*	*	*						
Dynamic voice and language switching	✓	✓	✓						
Mixing static expressive prompts	✓	✓	✓						
Custom voices: voice branding or custom accent and/or style	✓	✓	✓						
Support for phonetic alphabets	IPA, X-SAMPA, TeleAtlas®, Navteq™	IPA, X-SAMPA, TeleAtlas®, Navteq™	IPA, X-SAMPA, TeleAtlas®, Navteq™						
Expressive TTS effects	**	**	**						
Contrast (feature to extract speech from background noise)	**	**	**						
Support of requests peaks handling	**	**	**						

Legend:

* Available on request

** Feature in development

*** Using UniMRCP