



IVONA for developers product features

	IVONA SDK	IVONA Speech Cloud (SaaS)
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Requirements

Storage memory (ROM) per voice	- 100-250 MB - < 50 MB** - < 20 MB**	0 MB
Runtime memory (RAM)	- 5 - 13 MB - < 5MB**	0 MB
CPU	Scalable	Under 50 MIPS
Chipset	X86 (32/64 bit); ARM 7,8,9,11; Strong ARM; X-Scale; Sparc (32/64 bit)*; PowerPC*; MIPS*	
OS	Linux, Windows, Android, Windows Mobile, Windows CE, iOS, MeeGo, Mac OS X, Solaris*, FreeBSD*	
API	IVONA C/C++ API, IVONA Java API, TCP/IP, Unix socket, SAPI 4*, SAPI 5	Web Services (SOAP), IVONA C/C++ API**, IVONA Java API**

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*)	8 kHz, 22 kHz (up to 48 kHz*)
Audio formats	PCM 16 bit mono/stereo*, A-law, μ-law, mp3*, vorbis (ogg)*	mp3, vorbis (ogg), PCM 16 bit mono*/stereo**, A-law, μ-law
Low response (start/stop) time	✓	
SDK components	Libraries, documentation, examples (C/C++, PHP), support; Supported events: word-highlighting (alignment of text with audio), visemes (lip-sync), bookmarks, SSML events	
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 natural reading of long texts	✓	✓
Support for phonetic alphabets	IPA, X-SAMPA, TeleAtlas®, Navteq™	IPA, X-SAMPA, TeleAtlas®, Navteq™
Expressive TTS effects	**	**
Standards compliance	W3C SSML 1.0/1.1, W3C PLS 1.0 (with IVONA extensions)	W3C SSML 1.0/1.1 (with IVONA extensions)
Built-in audio effects	**	✓
Support for text highlighting	✓	✓
REST support	N/A	✓

Legend:

* Available on request

** Feature in development