

**AAC-PLUS V2 (eHE-AAC): ANSI C**

<b>Component name</b>		<b>AACPlusv2 Decoder: ANSI C</b>	
<b>Category (IP/ Reusable)</b>	IP	<b>Component type (HW/SW/product etc)</b>	SW, Audio Codec
<b>HW Platform</b>	Portable	<b>SW Platform /OS</b>	CCS, Linux
<b>Applications / applicable products</b>	Multimedia applications/ products		
<b>Market/ industries applicable</b>	Consumer Electronics		
<b>Product Description</b>	<p>High-Efficiency Advanced Audio Coding (HE-AACv2) is a lossy data compression scheme for digital audio. HE-AAC v2 has proven in several independent tests to be the most efficient audio compression scheme available today. HE-AACv2 includes AAC, spectral band replication (SBR) and parametric stereo (PS) tools to enhance the compression efficiency. HE-AACv2 is standardized in ISO/IEC 14496-3. AAC combined with SBR and PS tools offers the possibility to improve the performance of low bitrate audio and speech codecs by either increasing the audio bandwidth at a given bitrate or by improving coding efficiency at a given quality level encoded bitstream at a very low data rate.</p>		
<b>Features /benefits</b>	<ul style="list-style-type: none"><li>• Standard - in ISO/IEC 14496-3:2001/Amd.1 and Amd.2</li><li>• MPEG2,MPEG4 AAC – LC,SBR and PS</li><li>• Supports ADTS and ADIF</li><li>• Sampling frequencies – 8 to 96 kHz</li><li>• Bit-rates from 8 kbps to 576 kbps</li><li>• Supports - TNS,PNS,MS and IS</li><li>• Supports mono, stereo and dual channel</li><li>• Supports Constant and Variable Bit-rates</li><li>• Output : 16 bit LPCM</li><li>• Supports CRC protection checking</li><li>• Simple and C callable API set</li><li>• Fixed point C implementation</li><li>• Reentrant C code</li><li>• Optimized implementation ,can be ported to new platforms</li><li>• MP4 and other file format support through framework</li></ul>		
<b>Readiness</b>	ANSI C available		