



MP3 Encoder: ANSI C

Component name	MP3 Encoder: ANSI C		
Category (IP/ Reusable)	IP	Component type (HW/SW/product etc)	SW, Audio Codec
HW Platform	Portable	SW Platform /OS	Linux, Windows
Applications / applicable products	Multimedia applications/ products		
Market/ industries applicable	Consumer Electronics		
Product Description	MPEG-1/2 audio layer-3 (MP3) is the most popular format for playback of high quality compressed audio for portable devices such as audio players and mobile phones. The MPEG1 audio standard (ISO/IEC 11172-3) provides the syntax and decoding process for compressed audio bit-streams. MPEG1 Layer 3 encoded audio streams are called .mp3 files, which is one of the most popular audio formats for Internet audio applications. MPEG1/2 audio works for both mono and stereo signals.		
Features /benefits	<ul style="list-style-type: none">• Standard - ISO/IEC 11172-3 MPEG1 and 13818-3 MPEG2 layer3• Sampling frequencies – 16 to 48 kHz• Bit-rates from 8 kbps to 320 kbps(depending on sampling frequency)• Upto two channels• Supported modes<ul style="list-style-type: none">– Mono, stereo, dual channel– Joint stereo (intensity stereo and MS stereo)• Supports Constant and Variable Bit-rates• High quality audio• Audio quality test based on objective audio quality evaluation ITU BS.1387 standard and subjective listening tests• MPEG1/MPEG2 bitstream compliant• Simple and C callable API set• Fixed point C implementation• Reentrant C code• Optimized implementation ,can be ported to new platforms		
Readiness	ANSI C available		