

G.723.1 Dual rate Speech Vocoder Software (G.723.1 Speech/ Audio Codec Software)

Floreat G.723.1 speech vocoder software implements the ITU-T G.723.1 recommendation. The G.723.1 audio codec software performs dual compression and decompression of 8 KHz voice signals at 5.3 and 6.3 Kbps; the speech quality is better for the higher bit rate. The input/output of the G.723.1 speech codec algorithm is 16-bit linear PCM samples, the audio codec process signals with 30 ms frames and have a 7.5 ms look-ahead and the G.723.1 speech vocoder passes less distortion while passing through DTMF tones as compared to other ITU-T codecs close to G.723.1 codec compression rates. The G.723.1 is one of the recommended audio compression techniques in multimedia applications specified by ITU-T H.32x recommendations.

Floreat G.723.1 audio codec software can be integrated with Floreat's other fax, telephony, speech compression, VoIP, FoIP, DSVD, imaging and video software for various applications. Floreat G.723.1 audio codec software is supported on various DSPs and processors as well as offered in ANSI C.

Floreat supports its software on the following DSPs, Controllers and Processors

- TI C5000 and C6000
- Intel Pentium fixed and floating point and XScale
- ADI Blackfin (BF53x), SHARC 21xxx
- ARM 7/9/9E, MIPS
- PowerPC, STM, SuperH cores, Philips Nexperia
- CEVA (formerly DSPG's licensing division)
- Ported by customers to their processors:
 - NEC
 - STM
 - Zilog

- ▶ For further information on the standard, please click [ITU Standards](#).
- ▶ For our brief profile, please click [Company Profile](#).
- ▶ For further inquiry, please send us an [Inquiry Form](#) or send an email to info@floreatinc.com.