



ESPICO

Specialists in Speech and Audio Software Development

ETSI WB-AMR+

The Extended Adaptive Multi-Rate Wideband (AMR-WB+) audio codec extends AMR-WB, adding support for stereo signals and higher sampling rates. Transform coded excitation (TCX) is used in addition to ACELP. AMR-WB+ operates at bit-rates from 5.2 kbps to 48 kbps.

The ESPICO implementations are highly optimised, realising low memory and MHz requirements. Contact ESPICO for specific resource requirements.



Features

- ◆ Backward compatible with AMR-WB
- ◆ Supports Voice Activity Detection (VAD)
- ◆ Supports Discontinuous Transmission (DTX)
- ◆ Supports Comfort Noise Generation (CNG)
- ◆ Supports substitution and muting of lost frames

Availability

ESPICO's optimised solution can be ported to any platform. Platforms supported include:

- ◆ ZSP Cores including ZSP400, ZSP500, ZSP800 families
- ◆ ARM including Cortex and Neon™
- ◆ MIPS32 74K™
- ◆ Ceva DSP Cores

Applications

- ◆ Digital cellular telecommunications
- ◆ Wireless communications
- ◆ Portable media devices
- ◆ VoIP

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