

Summary Sheet (Speech)



Development work may be ongoing. For the most current information on the performance specifications, availability of the implementation on various DSPs, and support for specific configuration, please send your enquiry to sales@couthit.com. CouthIT reserves the right to make changes to the specifications or availability.

| ENCODER | ARM9E | C64x+ | C55x | DECODER | ARM9E | C64x+ | C55x |
|------------------------------|------------|------------|------------|-----------------------------------|------------|------------|------------|
| NB AMR Encoder | Available | Available | Available | NB AMR Decoder | Available | Available | Available |
| WB AMR Encoder | Available | Available | Available | WB AMR Decoder | Available | Available | Available |
| AMR-WB+ Encoder (24 kb/s) | Available | Available | GoldenC | AMR-WB+ Decoder | Available | Available | GoldenC |
| GSM FR Encoder | GoldenC | Available | GoldenC | GSM FR Decoder | GoldenC | Available | GoldenC |
| GSM HR Encoder | GoldenC | Available | GoldenC | GSM HR Decoder | GoldenC | Available | GoldenC |
| EVRC-A Encoder | Available | GoldenC | Available | EVRC-A Decoder | Available | GoldenC | Available |
| EVRC-B Encoder | Available | Available | Available | EVRC-B Decoder | Available | Available | Available |
| EVRC-NW Encoder | GoldenC | Available | Available | EVRC-NW Decoder | GoldenC | Available | Available |
| MS RTA Encoder | Available | Available | Available | MS RTA Decoder | Available | Available | Available |
| G.711 Encoder | Available | Available | Available | G.711 Decoder | Available | Available | Available |
| G.711 Encoder (with VAD/DTX) | Available | Available | Available | G.711 Decoder (with PLC//DTX/CNG) | Available | Available | Available |
| G.711.1 Encoder | GoldenC | GoldenC | Available | G.711.1 Decoder | GoldenC | GoldenC | Available |
| G.718 Encoder | GoldenC | Available | GoldenC | G.718 Decoder | GoldenC | Available | GoldenC |
| G.722 Encoder | Available | GoldenC | Available | G.722 Decoder | Available | GoldenC | Available |
| G.722.1 (Annex-C) Encoder | Available | Available | Available | G.722.1 (Annex-C) Decoder | Available | Available | Available |
| G.723.1 Encoder | Available | Available | Available | G.723.1 Decoder | Available | Available | Available |
| G.726 Encoder | Available | Available | Available | G.726 Decoder | Available | Available | Available |
| G.728 Encoder | GoldenC | Available | Available | G.728 Decoder | GoldenC | Available | Available |
| G.729 Encoder (A/B/D/E/G) | Available | Available | Available | G.729 Decoder (A/B/D/E/G) | Available | Available | Available |
| G.729.1 Encoder | Available | Available | Available | G.729.1 Decoder | Available | Available | Available |
| iLBC Encoder | Available | GoldenC | GoldenC | iLBC Decoder | Available | GoldenC | GoldenC |
| SBC Encoder | Available | GoldenC | GoldenC | SBC Decoder | Available | GoldenC | GoldenC |
| Speex Encoder | Available | GoldenC | Available | Speex Decoder | Available | GoldenC | Available |
| QCELP13K Encoder | On Request | On Request | On Request | QCELP13K Decoder | GoldenC | GoldenC | GoldenC |
| QCELP8K Encoder | On Request | On Request | On Request | QCELP8K Decoder | On Request | On Request | On Request |
| VMR-WB Encoder | On Request | On Request | On Request | VMR-WB Decoder | On Request | On Request | On Request |
| G.719 Encoder | On Request | On Request | On Request | G.719 Decoder | On Request | On Request | On Request |
| SMV Encoder | On Request | On Request | On Request | SMV Decoder | On Request | On Request | On Request |

| OTHER | ARM9E | C64x+ | C55x |
|---------------------------|-----------|---------|---------|
| Noise Supression | Available | GoldenC | GoldenC |
| Adaptive Jitter Buffer | Available | GoldenC | GoldenC |
| Acoustic Echo Cancellor | Available | GoldenC | GoldenC |
| Automatic Gain Controller | Available | GoldenC | GoldenC |