

CML Microcircuits (CML) is the leading authority in the design, manufacture and marketing of integrated circuits. Through many years' experience of designing both standard and full-custom products, CML excels in producing innovative solutions containing mixed signal, RF, analogue, digital, memory and DSP design. The information provided below is intended to keep you up to speed with all the new products released by CML.

Latest CML Product News:

CMX971 and CMX973 - RF Building Blocks

The RF Building Block range is designed to provide the flexible, high performance ICs required for HF/VHF/UHF, professional radios, wireless data terminals, wireless microphones, marine and avionics radio systems.

CMX971 - Low Power Quadrature Modulator

The CMX971 Quadrature Modulator features excellent modulation accuracy, high performance over the operating range of 20 to 1,000 MHz and provides translation from baseband I/Q signals to a modulated RF signal.

CMX973 - Quadrature Modulator/Demodulator

The CMX973 integrates a quadrature (I/Q) modulator and a low-power quadrature IF/RF demodulator, both featuring a wide operating frequency range and optimised power consumption.



For more information on these products visit the CMX971 overview page [here](#) and CMX973 overview page [here](#).

CMX7011 - Digital Voice Processor - Digital Voice Encryption for Analogue Radio

The CMX7011 from CML Microcircuits is a flexible, half duplex, digital voice scrambler that transmits and receives secure digital encrypted voice via an embedded robust audio-band data modem for use within analogue radio systems.

CMX7011 Digital Voice Processor:

- Simple integration directly into the radio audio path
- Integrated RALCWI vocoder (royalty free)
- Embedded robust audio-band data modem
- Low power operation
- Small 48-pin VQFN/LQFP package
- Secure digital voice solution for analogue PMR, wireless door access and gate entry systems

For more information, visit the CMX7011 product overview page: [Click Here](#).



CMX7262 TWELP Professional Radio Vocoder

The CMX7262 is a high-performance low bit-rate vocoder for professional two-way radio, providing market-leading crystal clear voice and excellent real-life radio operation. This is achieved through the use of the latest state-of-the-art voice coding technology called "Tri-Wave Excited Linear Prediction" (TWELP™).

CMX7262 TWELP Vocoder:

- Single-chip TWELP™ vocoder
- Low bit-rate 2400bps
- Integrated audio codec
- Noise reduction system
- Robust FEC built into each frame
- No licence/royalty payment required with the CMX7262

For more information, visit the CMX7262 product overview page: [Click Here](#).

