

## Key Values

CML offices in UK, Singapore and USA providing Sales, Marketing and Technical support

Global distributor network supporting customers locally

High integration, low power operation, high performance, low risk

CML design and manufacturing ISO 9001: 2015 certified

100% testing ensuring high quality/reliability products

High integration and high performance reduces overall system size and cost

Low power operation by design, a key factor in battery powered systems

Application Specific Standard Products (ASSP)  
Semi-custom and custom products

50 years in the communication semiconductors Industry

Visit

[www.cmlmicro.com](http://www.cmlmicro.com)

see how we can assist with your projects

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# RF Building Blocks Wireless Data Digital Voice



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# Design, Manufacture, Supply

CML Microcircuits is a world-leader in the design, development and supply of low-power analogue, digital and mixed-signal semiconductors. CML delivers innovative RF, Wireless Data and Digital Voice solutions into the global communications industry, focusing on high quality, flexibility and product longevity.



## RF Building Blocks

### RF Power Amplifiers

- CMX901 - 130-950 MHz RF PA
- CMX902 - 130-700 MHz RF PA

### Analogue Front End (AFE)

- CMX983 – Digital Radio AFE with RF Synths

### Transceivers (Tx/Rx)

- CMX973 - RF Quadrature Modulator/Demodulator
- CMX991 - RF Quadrature Transceiver
- CMX975 - 2.7GHz Up/down Converter
- CMX979 - Dual Synth and PLL

### Receivers (Rx)

- CMX994A/CMX994E - RF Direct Conversion Receiver
- CMX972 - Quadrature Demodulator
- CMX970 - IF/RF Quadrature Demodulator
- CMX992 - RF Quadrature/Low IF Receiver

### Transmitters (Tx)

- CMX971 – RF Quadrature Modulator
- CMX993 - RF Quadrature Modulator
- CMX993W - RF Quadrature Wideband Modulator
- CMX998 - Cartesian Feedback Loop Transmitter

## Digital Two-way Radio Processing

- CMX7241/CMX7341 - Common Platform PMR Processors
- SCT3258 - DMR/dPMR Processor + embedded Vocoder
- SCT3268 - DMR/dPMR Processor + embedded Vocoder + ARM

## Wireless Data Packet Modems

- CMX7164 - Multi-mode Modem (IQ)
- CMX7163 - QAM Modem (IQ)
- CMX7143 - Multi-mode Modem (LD)
- CMX469A - FFSK/MSK Modem
- CMX589A – GMSK/GFSK Modem

## Digital Voice

- CMX655D - Ultra-low Power Voice Codec
- CMX7011 - Voice Encryption Processor
- CMX7261 - Multi-transcoder
- CMX608 - RALCWI Vocoder
- CMX618/CMX638 - RALCWI Vocoder
- CMX7262 - TWELP Vocoder

## Marine Communications

- CMX910 - AIS Class A Baseband Processor
- CMX7032/CMX7042 - AIS Class A/B Transceiver + exactTrax™
- CMX7045 - AIS SART Processor
- CMX885 - Marine VHF Audio and DSC processor
- VDES1000 - Complete Marine VDES SDR solution

## 2.4GHz Licence Free Digital Voice and Data Transceiver

- SCT2400 2.4GHz Digital Voice and Data Transceiver



EV9830  
Digital Radio AFE Processor



DE9941  
Linear Modulation Radio



SCT9366D  
DMR Design Reference



PE0101-7011  
Digital Voice Encryption



EV9011  
RF Power Amplifier



SCT9389  
DMR Design Reference



EV6550D  
Ultra-low Power Codec



EV9942  
Direct Conversion Receiver



EV9730  
RF Quadrature Modulator/Demodulator



VDES1000  
Maritime VDES Solution